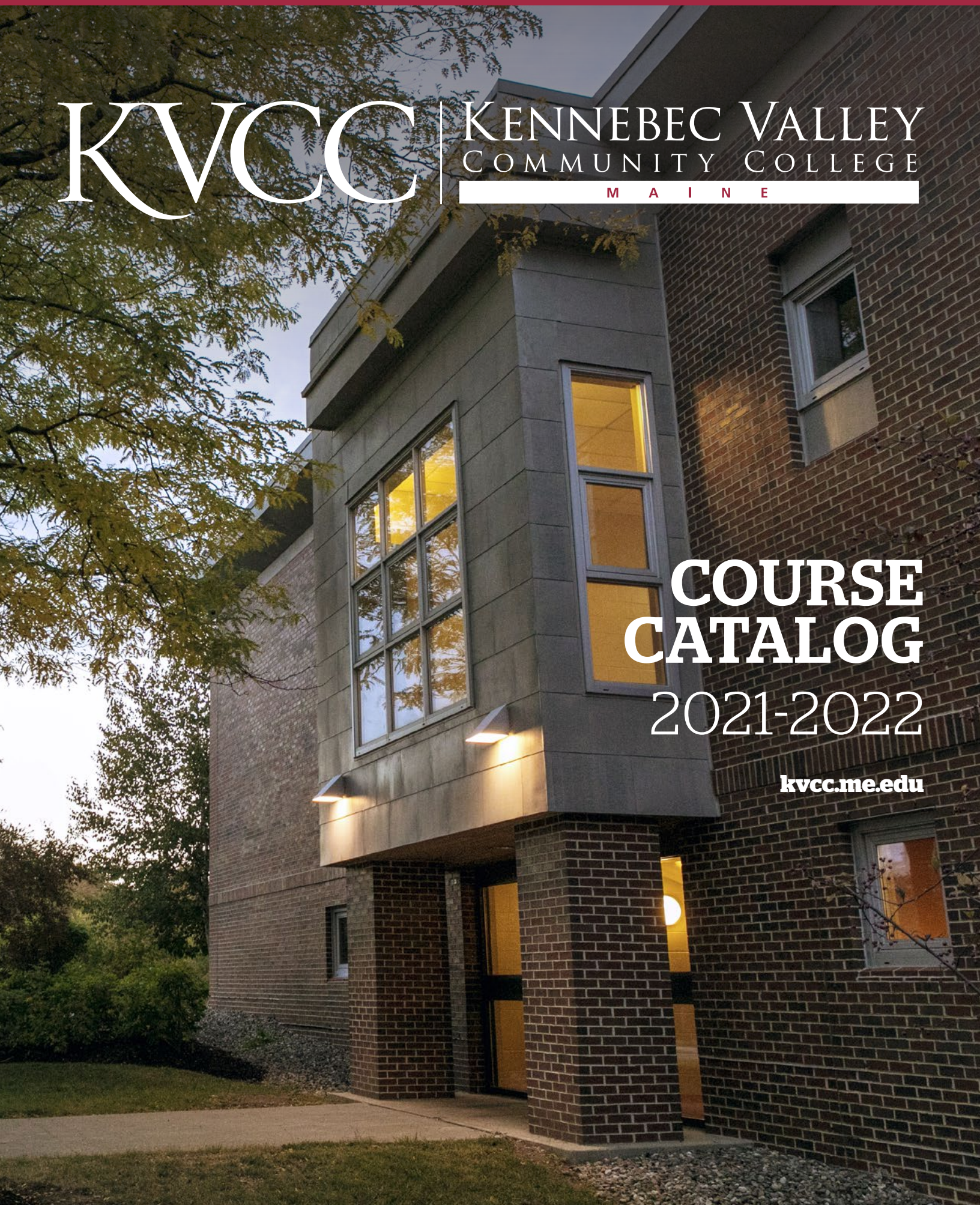
KVCC
KENNEBEC VALLEY
COMMUNITY COLLEGE
MAINE
COURSE
CATALOG
2021-2022
kvcc.me.edu

OFFICE OF THE PRESIDENT

Welcome to Kennebec Valley Community College

On behalf of the community at Kennebec Valley Community College (KVCC,) I am pleased to welcome you to the College!

Kennebec Valley Community College (KVCC) has two campuses in the heart of Central Maine. Our 70-acre Fairfield Campus is readily accessible by I-95 while our 600-acre Harold Alfond Campus is just seven miles north in Hinckley. KVCC is one of seven community colleges that operate under the authority of the Maine Community College System Board of Trustees, organized in 1969 by the 104th Maine Legislature. The first classes began at KVCC in the fall of 1970 with 35 full-time and 131 part-time students. Since that time, KVCC has grown to an enrollment of 2,200. In addition to offering more than 30 degree programs ranging from Nursing to Allied Health to Trades & Technology, KVCC also provides credentials in Mental Health, Liberal Studies, Business Administration, Early Childhood, Biology, General Studies, and Psychology. In addition to these certificate and associate degree programs, KVCC provides a wealth of short-term trainings that are targeted toward business and industry and professional development.

This current Catalog will provide you with a wonderful opportunity to get to know us!

- Learn about our associate and certificate degree programs. KVCC has over 30 exciting career choices for you to consider and a strong pathway to transferring to a four-year degree. Take a moment and explore our trades programs, nursing and allied health programs, and many other wonderful career choices.
- Are you looking for short-term training opportunities? Our workforce training division offers low- or no-cost courses in Welding, CPR, Heat Pump Installation, Refrigerant Certification, Emergency Medical Services, National Electrical Code, Advanced 3D Printing, High Pressure Boiler, Forensic Phlebotomy, and Sustainable Landscaping and Garden Management.
- Are you a high school student? There are wonderful opportunities for high school student to earn free college credit while still in high school.
- Finally, there is a great deal of information designed to help you get started. Information on financial aid and scholarships, academic support resources and a window into life at KVCC. We are a close-knit community of dedicated educators who are committed to our students and work to provide you with excellence in education, support resources and navigation skills & tools.

I hope this encourages you to reach out to schedule a visit to one or both of our campuses. Throughout the tour, you will visit state-of-the-art labs and classrooms. You are also welcome to check out our virtual tour which is located at www.kvcc.me.edu. You will have a chance to meet students who are currently enrolled or who graduated from KVCC.

Let us help you get started on the road to achieving your goals and realizing your dreams.

Affordable. Flexible. Supportive. Transferable.

Karen Normandin
Interim President

2021-2022 ACADEMIC CALENDAR

August 2021						
S	M	T	W	R	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2021						
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October 2021						
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31						

November 2021						
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December 2021						
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January 2022						
S	M	T	W	R	F	S
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August 2021
14 Summer semester ends

September 2021
6 Labor Day – No classes
7 Fall semester begins
7 Module 1 (7-week) classes begin
14 End of Add/Drop Period
27 Flex Start begins

October 2021
4 End of Add/Drop Period for Flex Start
11 Indigenous Peoples Day
22 Module 1 classes end
29 Mid-Term Grades Due

November 2021
1-19 Spring Semester Registration
1 Module 2 (7-week) classes begin
5 Flex Start Mid-Term Grades Due
11 Veterans Day
24 Last Day to withdraw from classes
24 No classes after 4:00pm
25-27 Thanksgiving Break

December 2021
18 Module 2 classes end
18 Fall semester ends
22 Final grades due

January 2022
1 New Year's Day
10 Spring semester begins
10 Module 1 (7-week) classes begin
17 Martin Luther King Day
18 End of Add/Drop Period
31 Flex Start begins

February 2022
7 End of Add/Drop Period for Flex Start
21 Presidents' Day – No classes
26 Module 1 classes end

March 2022
4 Graduation Applications due
4 Mid Term Grades due
7-12 Spring recess
14 Module 2 (7-week) classes begin
18 Flex Start Mid-term Grades Due
28 Summer and Fall Registration begins

April 2022
8 Last day to withdraw from classes
18 Patriot's Day
30 Last day of classes
30 Module 2 classes end

May 2022
5 Final Grades due
9 Summer 1 Session begins
21 Commencement
30 Memorial Day

June 2022
3 Summer 1 Session 4-week classes end
19 Juneteenth Day of Observance
20 Summer 2 Session begins

July 2022
1 Summer 1 Session 8-week classes end
4 Independence Day
29 Summer 1 Session 12-week classes end

August 2022
12 Summer 2 Session 8- week classes end

No classes Important Dates

February 2022						
S	M	T	W	R	F	S
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March 2022						
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April 2022						
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May 2022						
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June 2022						
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July 2022						
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17	18	19	20	21	22	23
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KENNEBEC VALLEY
COMMUNITY COLLEGE
MAIN CAMPUS

TABLE OF CONTENTS

DISCLAIMER: Kennebec Valley Community College reserves the right to change any of the provisions, regulations, procedures, costs, or requirements set forth herein and the right to withdraw or amend any services it deems required or desirable.

COLLEGE PROFILE

ONE COLLEGE

Kennebec Valley Community College is one of seven community colleges which operate under the authority of the Maine Community College System Board of Trustees. KVCC is a public, non-profit, post-secondary institution supported in part by State legislative appropriations and federal funds.

KVCC is accredited and/or approved by the following agencies: New England Commission of Higher Education (NECHE); the Association of Collegiate Business Schools and Programs; the Maine Board of Emergency Medical Services; the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM); the Commission on Accreditation of Allied Health Programs on recommendation of the Medical Assisting Education Review Board; the Maine State Board of Nursing; the Accreditation Commission for Education in Nursing (ACEN); the Accreditation Council for Occupational Therapy Education; the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association; the Joint Review Committee on Education in Radiologic Technology (JRCERT); the North American Board of Certified Energy Practitioners (NABCEP); The Maine Fuel Board (Department of Professional and Financial Regulation – Office of Professional and Occupational Regulation); Plumbers' Examining Board (Department of Professional and Financial Regulation — Office of Professional and Occupational Regulation); (Certified Employee Training Program — National Propane Gas Association; International Groundsource Heat Pump Association (IGSHPA); and International Association of Plumbing and Mechanical Officials (IAPMO).

TWO CAMPUSES AND SATELITTE LOCATIONS

Kennebec Valley Community College is located on two campuses in mid-Maine. Its 70-acre main campus in Fairfield is easily reached by taking Exit 132 off Interstate 95. The 600-acre Harold Alfond Campus is located seven miles north of the Fairfield campus on U.S. Route 201 in Hinckley, Maine. Maps of both campuses are provided at the back of this catalog. KVCC also has two (2) satellite locations: Mid-Coast School of Technology in Rockland and the Buker Center in Augusta.

MAJOR INVESTMENTS IN INFORMATION TECHNOLOGY (IT) AND PROGRAMMING; READY FOR THE FUTURE

Ready to Meet the Demands of Remote Learning and Train Students in IT Fields

COVID-19 hit Maine just as KVCC was completing a complete revitalization of its IT capacity. KVCC had leveraged institutional resources as well as funding from a recent U.S. Department of Labor grant — over $3 million combined — to completely revitalize College IT infrastructure including specialized programs, laboratories, and a new Learning Management System

The college transitioned much of its instruction to remote delivery at a time when it could ensure state-of-the-art instruction. Upgrades include electronic and RF test and measurement equipment; copper cable and fiber-optic test and certification; Windows, Apple, and Linux platform laptops and mobile devices; network servers and associated network hardware, as well as lecture-capturing cameras. Students graduating from KVCC are trained using industry standard equipment, computers and servers to best prepare them for entry into the high-tech workforce.

Today, KVCC is also part of Tech Promise, a pledge from the Maine Community College System to every incoming and returning student that they will have access to the computer technology and support they need to learn remotely. This has been a response to the COVID-19 pandemic and the shift to remote learning for many KV programs for the 2020-2021 academic year. For the Fall Semester 2021, 30% of KVCC courses are being delivered fully online, whereas any essential hands-on learning is being delivered in-person, on campus in the relevant lab, shop, or studio.

Most students at KVCC receive generous financial aid to cover the full cost of tuition, fees, books, and technology. To avail of financial aid, all KVCC applicants should complete a Free Application for Federal Student Aid (FAFSA); the enrollment staff at KVCC can help answer any questions regarding the FAFSA and the aid process.

KVCC has four simple suggestions for ANY Maine resident contemplating attending one of the state's community colleges:

- Apply to KVCC
- Complete the FAFSA application (Free Application for Federal Student Aid)
- Work with the Financial Aid office to have your aid applied to cover the cost of tuition, fees, books, and any required technology.
- Once enrolled in classes, students deemed eligible by FAFSA for Title IV funding can apply to KVCC for a Cares Act Grant to cover part of Covid-related expenses.

All of Maine's community colleges are committed to working with every student to ensure they can afford to attend classes and acquire the skills they need to get ahead. Our goal is to make sure that the costs of tuition, books, and technology never stop anyone from attending community college. If you don't have access to a computer or can't afford one, we can help find a way to make sure you gain access to a KVCC education.

STATEMENT

Kennebec Valley Community College prepares students to achieve their educational, professional, and personal goals in a supportive environment through shared values of responsibility, integrity, and respect.

VALUES

Kennebec Valley Community College values:

- Integrity
- Excellence in teaching
- Emerging technology
- A student centered environment
- Diversity
- Intellectual inquiry
- A culture of civility, cooperation, and collegiality
- A welcoming atmosphere for all newcomers
- A strong work ethic
- Creation of opportunities for self-fulfillment and lifelong learning
- Personal wellness

DEFINITION OF AN EDUCATED PERSON

An educated person possesses knowledge about self, about the world we live in, and the history that has led us to where we are. Beyond this knowledge, the educated person is a lifelong learner, seeking new knowledge wherever and whenever possible. This individual practices the skills of his or her profession in a conscientious, responsible, and accountable manner. In addition, this person possesses the communication and interpersonal skills necessary to speak and write clearly, effectively, and persuasively.

An educated person listens to others' ideas respectfully and thoughtfully and accepts them or rejects them on the basis of clear and logical thinking. This person utilizes resources and technology to find information both personally and professionally. He or she possesses the analytical skills needed to solve problems and make decisions. As an involved member of the community, this person possesses values that enable him or her to show tolerance and respect for cultural, ethnic, and intellectual diversity.

Based upon the College's mission and its belief regarding educated people, Kennebec Valley Community College expects that its graduates will:

- function competently and responsibly as entry level members of their respective professions and trades;
- communicate clearly, effectively, and persuasively in both the written and spoken word;
- utilize resources and technology as lifelong learners in pursuit of both their personal and professional goals;
- recognize opportunities for career advancement through transfer programs with other colleges and universities;
- solve problems and make decisions based upon logical thinking and analytical skills;
- respect cultural, ethnic, and intellectual diversity as involved members of their communities.

IDEALS

Kennebec Valley Community College is dedicated to the pursuit of lifelong learning and supports the development of all members of the college community.

Therefore:

- We strive to foster a community that supports excellence in teaching and learning.
- We support an ethic of civic involvement and responsibility.
- We understand the importance of demonstrating effective communication and responsible behaviors.
- We support the equal rights of all people by recognizing and appreciating differences, including age, race, gender, ability, religious convictions, socio-economic status, ethnic heritage, or sexual orientation.
- We contribute to a safe and secure environment by showing respect for people, ideas, and property.
- We foster critical thinking, creativity, personal and professional integrity, and accountability.
- We value the concepts of individuality, self-confidence and competency; and we recognize that self-value is fundamental to achieving personal and academic success.

KVCC FOUNDATION ROLE AND MISSION

The KVCC Foundation was established in 1991 with the goal of supporting both the College and its students. Since its inception, the Foundation has awarded over $2 million in student scholarships, opening the doors to education for more than 2,600 KVCC students.

The mission of the Kennebec Valley Community College Foundation is to engage supporters to invest in students, faculty, and programs to empower individuals and to build stronger communities. We achieve this goal by raising funds to promote and support all educational programs; to provide state-of-the-art equipment and facilities, and to ensure access through scholarship funds for students.

KVCC students come from a wide variety of backgrounds and face many challenges and barriers to reaching their personal, professional, and academic goals. The KVCC Foundation is an essential resource to students, faculty, and programs designed to reduce barriers, promote campus and community wellbeing, and empower student retention and success!

The KVCC Foundation currently manages more than 40 scholarship funds which are awarded to students with unmet financial need, determined by a Free Application for Federal Financial Aid (FAFSA) and an online application. Information regarding scholarship eligibility is available online: https://www.kvcc.me.edu/foundation/

For more information regarding the KVCC Foundation please contact the KVCC Foundation Office by phone: (207) 453-5020, email: foundation@kvcc.me.edu or online: https://www.kvcc.me.edu/foundation/

KVCC2020 STRATEGIC PLANNING

In May of 2015, President Richard Hopper launched KVCC2020 to create the College's five-year strategic plan. The process was a college-wide and community based effort marked by inclusivity, engagement transparency and commitment. As a campus and a community, we created a plan that focused on four (4) strategic goals. Our goals strive for accessibility, affordability, quality and value in the delivery of post-secondary education in the mid-Maine region.

- KVCC enrollment is expanded by academic year 2020-2021.
- KVCC is recognized regionally for quality in post-secondary education and professional training.
- KVCC institutional operations are effective and efficient.
- KVCC contributes to the economic and social development of the surrounding community, local businesses, and employers in the mid-Maine region.

In 2019, a process to create the KVCC 2025 strategic plan began. This process was interrupted by COVID-19. The finalization of this plan is projected for completion in the Fall of 2021.

INSTITUTIONAL ACCREDITATION

Kennebec Valley Community College is accredited by the New England Commission of Higher Education (NECHE). Accreditation of an institution of higher education by NECHE indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by NECHE is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered or the competence of individual graduates. Rather, it provides reasonable assurance about the organizational health of KVCC and the quality of opportunities available to students who attend the institution.

Inquiries regarding the accreditation status by the NECHE should be directed to the administrative staff of the institution.

Individuals may also contact:

New England Commission of Higher Education

3 Burlington Woods Drive, Suite 100

Burlington, MA 01803-4514

Telephone: 781-425-7785

Email: info@neche.org

GENERAL INFORMATION

ACADEMIC

ACADEMIC ADVISING

Students enrolled in a degree or certificate program are assigned an academic advisor to assist with course selection and to offer general information concerning the student's academic life. Each semester, during a designated registration period, students are encouraged to meet with their advisors before registering for the next semester. Students should contact their advisors as often as necessary to make certain they are taking courses that are appropriate to their academic program and career plans. The advisor should be consulted before students add or drop courses or change their program of study.

Students are responsible for monitoring their own academic progress. Descriptions of specific courses start on page 161 in this catalog and are also located on the KVCC website. Advising guides list specific course requirements for each academic program and may be found on the KVCC website. Individual Student Advising Worksheets (Course Needs) can be found through the ***MyKV Portal***. Assistance is also available in the Advising Center, located in Lunder.

GENERAL EDUCATION COMMON CORE CURRICULUM

The purpose of the required General Education common core curriculum at KVCC is to provide all degree-seeking students with generalized knowledge and skills that are needed in every job. The common core curriculum is a selection of general education courses that are designed to establish the habits of mind and the critical, analytic, and communication skills that are expected of an educated member of society. The core curriculum provides a common experience for all students and is guided by the College's Definition of the Educated Person.

The common core requirements for Associate degree programs include:

Communication Requirement (3 credits)

The communication requirement may be fulfilled by taking the Introduction to Communication (COM104) or the Interpersonal Communication (COM105) course. Students should refer to the program of study when selecting the communication elective.

Humanities Requirement (3 credits)

Humanities, in Associate degree programs, are studies which expand the student's awareness of the human condition and appreciation of human needs, values and achievements. Humanities include studies of literature, languages, history, philosophy, religion, and the visual and performing arts. Refer to course descriptions in the back of this catalog for additional information. Humanities courses have an (H) designation.

Math or Natural Science Electives Requirement (3-4 credits)

Math and Natural Science courses cultivate critical thinking, problem solving and quantitative literacy skills. The Math and Natural Science requirement may be fulfilled by a 100 level or higher math course or a science elective. Students should refer to the program of study when selecting the math/science elective.

Social Science Electives Requirement (3 credits)

The study of Social Sciences enables students to understand individual and collective human behavior by exploring meaning within a variety of social, cultural, political, and economic contexts. Social science electives

may be chosen from the following fields: Anthropology, Economics, Mental Health, Political Science, Psychology, and Sociology. Refer to course descriptions in the back of this catalog for additional information.

Writing Requirement (3 credits)

Written communication is the development and expression of ideas and information in writing. The writing requirement may be fulfilled by taking the College Composition (ENG101) or the Technical Writing (ENG108) course to fulfill this requirement.

General Education Electives (6 credits)

These include courses in Humanities, Communication, Math or Natural Science, Writing and Social Sciences.

ESSENTIAL LEARNING OUTCOMES FOR GRADUATES

The Essential Learning Outcomes (ELOs) are a comprehensive set of learning goals that are fostered and developed across a student's entire educational experience. They reflect the knowledge, skills, and competencies needed to meet the challenges of an ever-changing and complex world. The following are essential learning outcomes and definitions:

1. ***Problem Solving***

   The process of defining the problem, designing, evaluating and implementing a strategy to answer a question, achieve a desired goal, or reach a solution. (Association of American Colleges and Universities (AAC&U) modified)

2. ***Quantitative Reasoning*** (Numeracy or Quantitative Literacy)

   The habit of mind characterized as competency in working with numerical data. Individuals with quantitative reasoning skills possess the ability to reason and solve quantitative problems from a wide array of contexts. They understand and can create reasonable, sophisticated arguments supported by quantitative evidence, and they can clearly communicate those arguments in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate). (AAC&U modified)

3. ***Effective Communication***

   The transactional process of sending and receiving verbal, nonverbal, and visual symbols to create and share meanings based on form and purpose.

   Students will demonstrate effective communication in written communication.

   - Written Communication is the development and expression of ideas and information in writing. Written communication involves learning to work in many genres and styles. Written communication abilities develop through iterative experiences across the curriculum. (AAC&U modified)

   Students will demonstrate effective communication in one or more of the following ways:

   - Oral Communication is a prepared and delivered purposeful presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners' attitudes, emotions, values, beliefs, or behaviors. (AAC&U modified)
   - Interpersonal Communication is the process of message transaction between two or more people for developing and maintaining professional and personal relationships. (West & Turner; University Nebraska Lincoln)
   - Teamwork consists of the behaviors under the control of individual team members (effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team process) to achieve mutual goals. (AAC&U modified)

KVCC HONORS PROGRAM

KVCC's Honors Program offers the opportunity to demonstrate commitment to learning, leadership and community. The Honors Program provides resources needed to engage in real world applications of knowledge and skills regardless of the student's major. Interested students must demonstrate a strong academic history to be admitted into the Honors Program.

Below are the criteria for participation in this program:

- current students must have a 3.5 GPA and a minumum grade of B in College Composition (ENG101)
- new students must submit a letter of support from someone familiar with their academic abilities, and
- students must provide a personal statement

Through a set of experiences tailored to the student's interests and schedule, students will have the opportunity to:

- enroll in an Honors Seminar
- work closely with faculty to design and complete dynamic honor's projects
- study away or participate in an internship, and
- develop a portfolio showcasing the student's work

Students who complete the Honors Program requirements will be recognized at Commencement as a KVCC Honors Scholar. For more information, contact the Honors Program Coordinator at honors@kvcc.me.edu or visit the Honors Program webpage at: http://www.kvcc.me.edu/honors.

PSI BETA COMMUNITY COLLEGE NATIONAL HONOR SOCIETY

KVCC and the Department of Social Sciences and Psychology is proud to have been selected to host a Chapter of the American Psychological Association Psi Beta Community College National Honor Society in Psychology. We are currently the only Chapter of this kind in the Maine Community College System!

Psi Beta was founded for the purpose of stimulating, encouraging, and recognizing students' outstanding scholarship and interest in psychology. Psi Beta's mission is to encourage professional development and psychological literacy of all students at two-year colleges through promotion and recognition of excellence in scholarship, leadership, research, and community service.

PHI THETA KAPPA INTERNATIONAL HONOR SOCIETY

Phi Theta Kappa recognizes and encourages academic scholarship and fellowship among two-year college students through academic achievement and community service. An invitation to membership is extended by the College to those students who have completed twelve (12) KVCC semester credit hours of associate degree coursework with a Grade Point Average of at least 3.5 and who adhere to the Student Code of Conduct. For more information, email ptk@kvcc.me.edu.

SERVICE-LEARNING

Service-learning is a method of teaching and learning that places an emphasis on hands-on experiential tasks that address real-world problems as a venue for educational growth. This experience provides a context for testing, observing and/or applying discipline-based knowledge and theories and skills to address real-world concerns.

Specific benefits of service-learning for students:

- Service-learning provides hands-on experiences, makes students visible in the community, and allows for real-life application of what they are learning in the classroom.
- Service-learning has become an important part of resumes and portfolios. Many businesses today not only want to know about your education and work experience, but also how involved you are in the community.
- Service-learning also provides increased academic understanding, personal/career development, better understanding of larger social issues, and encourages the development of civic responsibility.

CENTER FOR CIVIC ENGAGEMENT

The KVCC Center for Civic Engagement (CCE) is an office within Academic Affairs that provides support to faculty and students involved in service-learning, civic engagement and community involvement activities. The CCE serves the faculty by providing technical assistance on incorporating service-learning activities to meet the learning outcomes of their classes. The CCE also tracks the community-based activities of students as they complete service-learning assignments and engage in civic activities.

The CCE serves the community by providing a contact point for community agencies to approach the College and develop cooperative agreements which benefit the agency, the students, and the faculty. These partnerships strengthen and support the connection between KVCC, economic growth, and the community's response to changing needs.

Additional information can be found on the College's website or email cce@kvcc.me.edu

CUSTOMIZED ACADEMIC PROGRAMMING

Kennebec Valley Community College offers several unique and flexible paths for attaining a degree or credential. Each path is designed with a specific goal in mind.

- ***Career Studies***

  Designed to meet the needs of the individual who has a set of unique career goals that cannot be met by other academic programs provided by the College. This path includes an assessment of prior learning experiences or coursework awarding up to 18 credits for this work. The remainder of credits in this program are selected by the student and their advisor with a focus on the student's career goals. Contact cs@kvcc.me.edu to arrange a time to meet with an advisor. A full description of the program option can be found on page 67.

- ***General Studies***

  Designed to meet the needs of the individual who is not sure of their career path and who is searching for a way to explore different paths. A core of general education courses (math, science, communication, humanities and social science) coupled with 27 credits which will enhance workplace skills or explore different programs/careers. These credits transfer to most colleges and universities. Contact gs@kvcc.me.edu to arrange a time to meet with an advisor. A full description of the program option can be found on page 91.

- ***Trades and Technical Occupations***

  Designed to meet the needs of individuals who are currently in a registered apprenticeship program or a formal program approved by the College. Students may begin their academic work while working in their training program. A registered apprenticeship program is approved by the Maine State Apprenticeship and Training Council or the US Department of Labor, Bureau of Apprenticeship and Training. Contact tto@kvcc.me.edu to arrange a time to meet with an advisor. A full description of the program option can be found on page 165.

TRANSFER CREDIT TO KVCC

Transfer credit may be awarded for course work completed at an accredited institution of higher education. A grade of "C" or better achieved in courses that are comparable to ones offered in the student's proposed program at KVCC may be transferred. Grades earned in the transferred course(s) are not computed in the grade point average. It is the student's responsibility to have official transcript(s) forwarded to the Registrar's Office. Additional documentation may be required.

All courses will be considered active and transferable for no more than ten years. These limitations may be subject to review and may be waived by the Academic Dean upon recommendation by relevant faculty and additional documentation by the student on a case by case basis.

Any course taken at KVCC prior to matriculation into a specific program will transfer into the program as long as the course meets the requirements and grade required for that program. This grade is computed in the cumulative grade point average.

A student must earn a minimum of 25 percent of his/her certificate or degree credits in residence. A specific program may require a greater percentage of credits to be earned in residence. When a decision regarding transferability of credits is unacceptable, the student may appeal, in writing, to the Academic Dean.

TRANSFER CREDIT TO ANOTHER INSTITUTION

Students desiring to transfer credits earned at Kennebec Valley Community College to another post-secondary school can expect to be evaluated on an individual basis by that institution. Transfer of credits from KVCC to another school/college rests with the receiving institution.

Transfer assistance is available to help students who wish to continue their education after KVCC. Students may contact enrollment@kvcc.me.edu to speak with an advisor.

ARTICULATION AGREEMENTS

Through articulation agreements, colleges collaborate to create a path for students to transition from one program level to another. Many college students receive their first two years of education at institutions such as KVCC. The cost savings of this approach makes college possible for many people who thought they would be unable to continue their education. KVCC has articulation agreements with the University of Maine System, as well as other public and private colleges and universities. A comprehensive list of articulation agreements can be found on the College's Website under the Academic Info tab. Contact the Department Chair for a specific program or Academic Affairs at academicaffairs@kvcc.me.edu for information regarding existing articulation agreements.

BLOCK TRANSFER

The Maine Community College System and Maine public universities have established a 34/35-credit block of general education courses that will transfer between colleges and universities. This block will satisfy the general education requirements at these colleges and universities and limits any additional general education classes to no more than 10 credits.

These Learning Domain Outcomes (LDO) are grouped based on the area of study and closely align with the Liberal Education America's Promise (LEAP) Essential Learning Outcomes. The following LDO's are common to all University of Maine System and Maine Community College System campuses and are expected to be included in each institution's transfer-out block:

- ***Creative/Arts***

  Students will experience a sustained engagement with at least one of the creative or performing arts and will be able to participate in, identify or evaluate artistic and creative forms of expression.

- ***Natural Science***

  Students will demonstrate both conceptual and practical understanding of scientific method, including the abilities of hypothesis development and testing through observation or experiment, and evaluation of results; engage in laboratory or field work at a level consistent with standard college laboratory and field courses; and demonstrate the ability to work with both qualitative and quantitative information in applying the scientific process.

- ***Writing***

  Students will be able to write clear, coherent texts with adherence to proper mechanics; adapt their writing appropriately for different disciplinary contexts or audiences: and effectively use writing as a means to engage in and communicate processes of critical inquiry, including analysis, synthesis, and argumentation.

- ***Quantitative Literacy***

  Students will be able to reliably perform mathematical operations at the college level; understand and evaluate quantitative information both in their college work and in broader public discourses; and apply mathematical concepts and techniques in practical situations to solve problems.

- ***Diversity/Cultural Knowledge***

  Students will demonstrate knowledge of cultural differences.

- ***Humanities***

  Students will be able to analyze or interpret significant texts or other cultural artifacts. Students will be able to understand or think critically about meaning (significance) and value, from either an aesthetic, philosophical, literary or multidisciplinary perspective.

- ***Social Sciences***

  Students will be able to analyze or explain causal forces which shape social structures, institutions, or behavior. Students will demonstrate knowledge of multiple cultures.

- ***Ethical Reasoning***

Students will demonstrate the ability to do one or more of the following: understand social and cultural value systems; understand and evaluate ethical perspectives on environmental issues; understand and critically evaluate ethical theories or concepts; work effectively with ethical issues and theories through analysis and evaluation of the theoretical, literary, historical or artistic texts through which fundamental ethical ideas and problems are presented; or critically evaluate disciplinary claims in the context of ethical, social, and environmental issues.

To complete the block transfer at KVCC in the shortest amount of time, it is recommended that students work closely with their advisor. Courses marked with an asterisk (*) require a prerequisite course. Students must achieve a minimum grade of "C" in all courses.

Learning Domain (LD)	KVCC Block Transfer Course Requirements	Credits
Writing	ENG101 - English Composition AND Writing elective (200* level)	6 credits
Ethics	COM104 - Introduction to Communication	3 credits
Social Sciences	PSY101 - Introduction to Psychology OR SOC101 - Introduction to Sociology	3 credits
Quantitative Literacy	MAT111 - Quantitative Reasoning OR MAT114 - Technical Math OR MAT117 - College Algebra	3 credits
Diversity	HUM101 - Multi-culture Nature of American Society	3 credits
Humanities	ENG121 - Introduction to Literature AND Humanities elective (100-200* level)	6 credits
Natural Science	Science with a lab	4 credits
Creative Arts	Fine Arts Elective	3 credits
	General Education Elective	3 credits
	Total Credits	34

CREDIT FOR PRIOR LEARNING

Kennebec Valley Community College recognizes the value of college-level knowledge students may have acquired outside the traditional college classroom through past work, independent reading and study, corporate training programs, in-service courses, volunteer services or other experiences. The term "prior learning assessment" refers to all of the processes which the College uses to review and evaluate students' evidence of prior learning and to award academic credit. The basis for evaluating prior learning is by course equivalency. Learning evidenced by any of the prior learning assessment (PLA) methods is assessed against the learning objectives of individual courses (or discipline area electives), and the credits awarded are applied against those courses.

Methods of Prior Learning that may be assessed for credit:

- Transfer Credit (Page 14 Transfer of Credit to KVCC)
- National Exam
- Credential Review
- Military Training
- Challenge Exam
- Portfolio Review

Student Eligibility

- Students must be admitted (matriculated) to one of the College's degree programs.
- Students will have a requirement(s) in their academic programs, to which prior learning credits could apply.

Assessment of PLA

The College has several procedures for the assessment of prior learning. Students are encouraged to explore all options available to them. These options can help students articulate what they have learned from experiences outside of the classroom into credit, and to expedite the path to a degree.

Residency Requirement

The award of prior learning credit is subject to New England Commission of Higher Education (NECHE) accreditation agency standards (revised July 1, 2016). These standards cap PLA credits in certificate programs of 30 or fewer credits to 25%. Credits earned by PLA are not to be included in the residency requirement of 25% of Associate degree credits. All types of prior learning acquired more than ten years from the date of matriculation are subject to review, though not exclusion. Prior to a formal review, faculty and other academic advisors will provide guidance, but not assurances, of the number of credits that may be awarded.

Award of Credit

Credit for prior learning will be awarded based on assessment of documented learning which demonstrates achievement (at a grade level of C or better) of learning outcomes for a specific requirement/discipline area elective, i.e. credit by course equivalency. Students may earn prior learning credit for any graduation requirement at any point in their program for which they demonstrate equivalent learning, unless there is any unique program accreditation requirement restricting this.

Fees are set for the review of two types of prior learning, but not for any resulting credit: campus-based Challenge Exams ($100) and Portfolios ($125). Payment of a PLA fee does not guarantee the award of credit, and is non-refundable. KVCC cannot guarantee the transfer out of PLA credits to other colleges/universities, nor the applicability of credits to a student's future degree requirements.

PLA from Other Colleges

KVCC recognizes PLA credit specifically awarded by other colleges within the Maine Community College System (i.e. credit from credential review, challenge exam, and portfolio) as transfer credit, as applicable to the academic program at the receiving institution. No further burden of proof will be required of students, where PLA credit appears on another MCCS transcript. The same reciprocity as described above is extended to students/transcripts from the University of Maine System.

METHODS OF PRIOR LEARNING ASSESSMENT

National Exam Credit

KVCC awards credit for national examinations based on current American Council on Education (ACE) recommendations. Students must provide an official transcript for the testing organization. Decisions on the granting of credit will be based on minimal acceptance scores in each area and the applicability of those areas to program requirements. Credits earned by this method cannot be counted in determining enrollment status nor can they be included in meeting the minimum credit requirements for satisfactory progress for financial aid.

The following list includes the exams and scoring information:

- ***CLEP*** (College Level Examination Program) is offered through the College Board. There are 33 exams in five subject areas, covering material taught in courses a student may take in their first year of college. For more information regarding the CLEP exams, visit www.collegeboad.com
- ***DSST*** (Dantes Subject Standardized Test)
  DSST are credit-by-examination tests originated by the United States Department of Defense, but open to all learners. DSST sponsors a wide range of examination programs to assist service members and others in meeting their educational goals. The DSST program (formerly known as the DANTES Subject Standardized Tests) is a series of 38 examinations in college subject areas that are comparable to the final or end-of-course examinations in undergraduate courses.

- ***AP*** (Advanced Placement)
  AP exams are taken after completing a year-long AP course at a participating high school. For credit consideration, a minimum score of 3 is required. See the AP matrix at the college website for a list of the exams, acceptable scores and KVCC course equivalencies. The AP score(s) should be requested by the student and sent directly to the KVCC Registrar's Office for review and transcription. For more information, see: www.collegeboard.com.
- ***International Baccalaureate*** (IB) Higher Level
  Some high schools offer an International Baccalaureate (IB) Program. The IB courses provide the student greater breadth and depth of knowledge in specific subject areas. IB courses have comprehensive exams which are used to measure the student's achievement and possibility of advance credit. Kennebec Valley Community College offers credit in applicable courses to students who score a "5" or above on these exams.
- ***Foreign Language Achievement Testing Service*** (FLATS)
  Brigham Young University (BYU) offers a testing service to measure proficiency in many foreign languages. These exams are designed to evaluate a student's ability in conjunction with the first three semesters of a language track, providing students the opportunity to earn up to 12 credits. Exams are graded pass/fail.

Credential Review

A student may qualify to receive academic credit by presenting proof of a current and valid professional credential designed to assess the student's knowledge in a field. Credential review is subject to applicability to the student's program of study. A student must be accepted into a program of study to be eligible for a credential review. Students should present official documentation (current, valid professional certifications or licenses) to the Registrar's Office for duplication, review, and transcription. There is no fee for the credential review.

Military Training

Veterans are encouraged to submit their military training transcripts directly to the KVCC Registrar's Office for evaluation. Assessment of service-connected prior learning is conducted using various nationally recognized resources for determining course equivalency.

Challenge Exam

Selected KVCC courses may be challenged. Challenge exams are not be available for all courses. If an appropriate standardized national exam exists (e.g. CLEP, DANTES, ACT, PEP, etc.) this exam will be required. If no such national exam exists, the required exam shall be comparable to the comprehensive final examination taken by all students in the course. Only one challenge exam per course will be approved by the Department Chair and Academic Dean.

The following criteria apply to challenge examinations:

- The student requesting a challenge exam will present a written justification for the subject area to be challenged. The student must contact the Department Chair as to the availability of the exam and the procedure.
- Students intending to challenge courses must complete the application and have written approval of the Department Chair prior to taking the exam. The student may not take a challenge exam for a class in which they are currently enrolled.
- The student must have been accepted in a KVCC program.
- The student may not retake the challenge exam.
- In order to receive credit, the student must score 80 or better on the challenge exam.
- Fee per Challenge Exam attempted is $100

NOTE: Many colleges will not accept a challenged course for transfer.

Portfolio Review

The portfolio, a form of Prior Learning Assessment (PLA), is one option that a student may select to obtain credit for college-level knowledge acquired through past work, independent reading and study, training programs or in-service courses, volunteer service or other experiences. The portfolio is a written presentation plus pieces of evidence, assembled and submitted for assessment of college-level learning equivalent to specific course/content area elective learning outcomes. Credit may be awarded for learning that has a balance between theory and practical application. Prior to pursuing the Portfolio Review option, students should consider other options available to them, including credit through national and/or department examinations, as well as military or proficiency credits for non-accredited training.

Students submit a separate portfolio for each course for which they seek to earn credit. The portfolio review fee is $125 per portfolio attempted. Certain components of an original portfolio may be used in multiple submissions.

Although college credit earned through these options may count toward a degree, the credit and grades will not be included in computing the grade point average (GPA). The final decision regarding acceptance of all prior learning credits rests with KVCC.

HIGH SCHOOL: DUAL & CONCURRENT ENROLLMENT

Dual and Concurrent enrollment provides high school juniors and seniors an opportunity to enroll in college credit courses which can be applied to KVCC programs or transferred to other colleges. Students have the support of both their high school guidance counselors and KVCC advisors and are entitled to all College privileges and services. Kennebec Valley Community College works in collaboration with high school guidance offices for the selection of courses and offers the following options.

Concurrent Enrollment

Concurrent Enrollment is an off-campus option. Kennebec Valley Community College offers credit-bearing general education or introductory technical courses on the high school campus with faculty who have met the criteria for adjunct instructors at KVCC. These courses are taught during the regular school day. Students earn the same credits as if they were taking the classes on the College campus. There are currently no charges or fees to participate in these classes.

Dual Enrollment

Dual Enrollment provides high school juniors and seniors an opportunity to get a "jump-start" on their education by taking introductory college-level general education courses on the KVCC campus or remotely. Beginning their sophomore or junior year, students may enroll in up to six credits per semester. Students work with their high school guidance office for determination of eligibility, and may choose from a variety of classes being taught by KVCC instructors, either on-line or on campus. Students will attend KVCC classes along with adult learners, seats are limited and available on a first-come-first-served basis. Students are responsible for books and some fees.

To participate in either of these options, a student must meet the following requirements:

- junior or senior standing;
- minimum cumulative GPA of a B or better;
- have the approval of a parent or guardian, and;
- have the approval of the high school guidance counselor

Call (207) 453-3514 for additional information or email academicaffairs@kvcc.me.edu

ACADEMIC POLICIES

ACADEMIC PROBATION OR DISMISSAL

Academic Probation requires students who are in academic jeopardy to show academic improvement in order to remain matriculated in their current program of study. Any student placed on probation must receive a semester GPA of at least 2.0 during the next semester or risk academic dismissal. No student will be allowed more than two consecutive probational semesters. Probationary status is removed once a student earns a cumulative grade point average of 2.0 or higher. Matriculated students are placed on academic probation if their cumulative grade point average falls into one of the following ranges:

Cumulative grade point average of:

GPA of 1.50 or less for 3 to 23 attempted credit hours;

GPA of 1.74 or less for 24 to 35 attempted credit hours;

GPA of 1.90 or less for 36 to 47 attempted credit hours; and

GPA of 1.99 or less for 48 attempted credit hours to end of program.

Students placed on probation will receive written notification of their probationary status and any required steps that will be necessary to continue enrollment in the next semester. In addition, the student's permanent record will carry the words "Academic Probation."

There are two reasons for academic dismissal:

1. Matriculated students who are on academic probation who earn less than a 2.0 semester GPA will be academically dismissed.

2. Matriculated students who have failed to meet the minimum cumulative GPA after two consecutive semesters of academic probation will be academically dismissed. Dismissed students will receive written notification of their dismissal. The student's permanent record will carry the words "Academic Dismissal."

Students may appeal the dismissal decision.

Academic Dishonesty

Students at Kennebec Valley Community College are expected to be honest and forthright in their academic endeavors. Since the assignments, papers, computer programs, tests, and discussions of college coursework are the core of the educational process, KVCC demands the strictest honesty of students in their various academic tasks. To ensure that the standards of honesty essential to meaningful academic accomplishment are maintained, the College has created a policy that relates to all academic endeavors on or off campus (e.g. classroom, clinical, and work sites). Copies are available on the College's Website and may be found in the Student Handbook.

Adding and Dropping a Course

There are specific times during a semester when a student may add, drop, or withdraw from a course. These dates are published in the College's academic calendar, the Student Handbook, the College's website and are communicated though the KVCC email system the Student App and texting campaigns.

- Students may add or drop a course during the first six (6) business days of a semester.
- Students may add classes during this period through the MyKV Portal or by contacting the Registrar's office. Addition of courses is on a space available basis.
- Students may drop a course during this period through the MyKV Portal or by contacting the Registrar's office.
- Students who do not officially drop a course(s) within this period will assume all academic consequences and financial obligation for the course tuition and fees

Administrative Withdrawal

Students should refer to the course syllabus and/or the program handbook for the attendance policy. A student who exceeds the allowable absences may be withdrawn from the course, receiving an administrative withdrawal (AW).

Attendance

Students are expected to attend all scheduled classes including lecture, lab, shop, clinical and fieldwork. Student attendance is correlated with student success. Changes to Federal financial aid regulations in recent years require accurate reporting on student attendance and participation in all courses, including online and hybrid/blended courses. Student attendance in an online course (or the online portion of a hybrid/blended course) is determined by participation in class or otherwise engaging in an academically related activity. Examples of such activity include but are not limited to: contributing to an online discussion or text chat session; submitting an assignment or working draft; working through exercises; taking a quiz or exam; initiating contact with a faculty member to ask a course-related question.

Attendance policy specifics will vary from course to course and instructor to instructor. The course syllabus and/or program handbook will outline the consequences of absences. Students should contact their instructors in cases of emergency or illness causing extended absence or irregular attendance.

- It is the student's obligation to check with the instructor on the first day back for work missed.
- If a student experiences a major illness requiring an absence of several weeks, he/she may be unable to complete course(s). It is imperative that the student (or his/her designee) notify the faculty or the Dean of Students

A student attends an online course (or the online portion of a hybrid/blended course) by participating in class or otherwise engaging in an academically related activity. Examples of such activity include but are not limited to: contributing to an online discussion or text chat session; submitting an assignment or working draft; working through exercises; taking a quiz or exam; initiating contact with a faculty member to ask a course related question.

Course Audit

All students who audit courses will be charged one-third (1/3) of the tuition for each course in addition to applicable course fees. Audited course(s) cannot be counted in determining enrollment status nor can they be included in meeting the minimum credit requirements for satisfactory progress for financial aid. Audited courses cannot be used to meet graduation requirements. Students wishing to audit a course must contact the Registrar before the end of the add/drop period.

Course Substitution

Under certain circumstances, a student may request that a course substitution be approved for a core or program course requirement. The student must initiate the request, indicating the course to be substituted for the requirement and detailing how the replacement course meets the objectives of the original requirement. The request should be sent to the registrar. The registrar and the department chair shall review the request and notify the student of the results.

Course Withdrawal

A student may withdraw from a course only during the semester in which he/she is registered for a specific course. The withdrawal period extends from the beginning of the second week (end of the drop period) in a semester through the twelfth week of fall and spring semesters. Students are encouraged to discuss a withdrawal from their course with their Academic Advisor as it may impact their progression through an academic program.

A grade of "W" will appear on a student's transcript and will not be used to calculate a student's grade point average (GPA). There may be financial consequences associated with a course withdrawal. Students should contact the Financial Aid Office for specific information regarding the withdrawal.

A withdrawal from a course is counted as a course attempted but not completed, and will adversely impact satisfactory progress as defined by the KVCC Financial Aid Satisfactory Academic Policy.

For Summer session withdrawal dates contact the Registrar's Office.

Students with extraordinary circumstances may request a withdrawal after the twelfth (12th) week by contacting the Dean of Students. The student must make this request for special circumstance withdrawal within 10 business days from the close of the current semester or summer session.

Dean's List

The Dean's List shall be prepared at the end of the fall and spring semesters. The list shall be comprised of the names and towns of matriculated students registered for 9 or more credit hours and whose GPA is 3.50 or higher for that semester. Students who are deficient (including incomplete) in a course are not included on the Dean's List.

Directed Study

Directed Study offers an opportunity for students with unusual needs to work with a willing faculty member to finish a course required for program completion, outside the usual classroom format. This can occur when the required course is not offered and could significantly delay a student's anticipated program completion date.

The student must have a cumulative grade point average of 2.00 or better at the time of the request. Students must have successfully completed at least 75% of program requirements. Only established catalog courses may be offered in this format.

A request by a faculty member to offer a Directed Study must be received by the Academic Dean before the end of the add/drop period of a given semester (including summer). If a Directed Study is approved, the faculty member will submit the Directed Study Contract signed by the faculty member and the student. Final approval rests with the Academic Dean or a designee.

The Directed Study Contract will outline the following:

a. when, where, and how they will meet;
b. the assignments to be completed;
c. how and when student learning and progress will be evaluated.

The course content and evaluations will be completed by the end of the semester. The final grade will be submitted in the traditional manner at the end of the semester.

Grade Appeal

When a student believes there is a discrepancy between the grade earned and the grade received in a course, the following procedure will be followed:

- The student must contact the instructor of the course within one week of receiving the grade. If a satisfactory resolution is not reached, the student may initiate a formal appeal.
- A formal appeal requires the student to submit a written statement describing the exact nature of the appeal to the Department Chair of the course with all supporting documentation, no later than 30 calendar days after the semester end date in which the course was taken.
- If the student is not satisfied with the action of the Department Chair and still wishes to pursue the matter, then the student must contact the Academic Dean within one week of meeting with the Department Chair. If there is sufficient evidence to support the student's request, the Academic Dean will schedule a meeting of the Academic Standards Committee for the purpose of holding a hearing.
- All parties involved in the hearing are notified at least one week in advance. The student must be present and must bring all evidence pertaining to the grade to this meeting. The Academic Dean will inform the student in writing of the decision. The decision by the Committee is final.

Independent Study

The subject matter for an Independent Study course is developed by the student with permission of the Department Chair and/or sponsoring faculty member. The subject matter must be relevant to an already existing course at an advanced level.

To be eligible for Independent Study, the student must:

- have attained at least a 3.0 Grade Point Average;

- be in their second year of an Associate degree program or have successfully completed 30 hours;
- have achieved a B or better in a course related to the proposed independent study topic;
- submit the course proposal to their sponsoring faculty member, advisor, Department Chair, and Academic Dean for review and approval.

Family Educational Rights and Privacy Act (FERPA)

Notification of Rights under FERPA for Postsecondary Institutions

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

Records Inspection

A student has the right to inspect and review the student's education records within 45 days of the day a college receives such request. A student should submit to the Registrar, Dean, head of the academic department or other appropriate official a written request that identifies the record(s) the student wishes to inspect. The appropriate official will arrange for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the college official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

Amendment of Records

A student has the right to request the amendment of the student's education records that the student believes are inaccurate, misleading or otherwise in violation of the student's privacy rights under FERPA. A student who wishes to ask a college to amend a record should write the college official responsible for the record, identify the specific part of the record that the student wants changed, and specify the reason why it should be so changed. If the college decides not to amend the record as requested, the college will notify the student in writing of the decision and the student's right to a meeting regarding that decision.

Student's Right to Prevent Disclosure

A student has the right to provide written consent before a college discloses personally identifiable information from the student's education records, except to the extent that FERPA or other laws authorize disclosure without such consent.

College's Rights to Disclose

A college may disclose education records without a student's prior written consent under several circumstances including, but not limited to, the following circumstances:

Health or Safety Emergency

A college may disclose education records without a student's prior written consent under the FERPA exception for an emergency that poses an imminent threat to health or safety.

Directory Information

Unless a student withholds consent by use of an opt-out form that the colleges shall provide to each student, a college may disclose certain education records without a student's prior written consent under the FERPA exception for directory information. FERPA permits MCCS to determine whether to recognize the concept of directory information and, if so, how to define such information and the circumstances of its disclosure. MCCS recognizes directory information only for use in its own purposes, publications, recognition of students, and efforts to help students access specific employment opportunities. In those instances, directory information includes a student's full name; hometown; date of birth; the fact that a student is or was enrolled; enrollment status (e.g., full-time, half-time or less than half-time); class level and majors/minors; dates of attendance; degrees, honors or awards received; cumulative credit hours; participation in officially recognized activities and sports; certain biographical information of athletes; and photograph.

For clarity, directory information does not include a student's identification number, mailing and permanent address(es); telephone number(s); parents' names and addresses; GPA or grades; current schedule; information on academic standing (probation, disqualification, etc.) or whether student is eligible to return to school; accounts receivable balance; disciplinary records; financial records of parents; student employment records; psychiatric or psychological records; and copies of transcripts from other schools or colleges.

In all other instances, MCCS regards such information to be part of a student's education record protected from other disclosure under both FERPA and pertinent state law exceptions to the Freedom of Access Act.

School Officials with Legitimate Educational Interests

A college may disclose education records without a student's prior written consent to school officials under the FERPA exception for legitimate educational interests. For purposes of this provision, a "school official" is a person employed by a college and/or the MCCS in an administrative, supervisory, academic or research, or support staff position (including security and health personnel); a person or company with whom a college has contracted as its agent to provide a service instead of using college employees or officials (such as an attorney, auditor or collection agent); or a student serving on an official committee such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a "legitimate educational interest" if the official needs to review an education record to fulfill his or her professional responsibilities for a college.

Officials of Other Schools

Upon request, a college may disclose education records without consent under the FERPA exception for disclosures to officials of another school in which a student seeks or intends to enroll.

Lawfully Issued Orders and Subpoenas

A college may disclose education records without a student's prior written consent under the FERPA exception for complying with a judicial order or lawfully issued subpoena.

Financial Aid for which a Student has Applied

A college may disclose education records without a student's prior written consent under the FERPA exception for financial aid for which the student has applied.

Organizations Whose Work Will Improve MCCS Instruction

A college may make certain disclosures under FERPA without individual consent under the FERPA exception for disclosure to organizations conducting studies for, or on behalf of, the MCCS for the purpose of improving instruction, if such studies are conducted in such a manner as will not permit the personal identification of students and their parents by persons other than representatives of such organizations, and such information will be destroyed when no longer needed for the purpose for which it is conducted.

Disclosure to Military Recruiters

A college must, as required by law, disclose education records without a student's prior written consent to requesting military recruiters.

Complaints

A student with questions or concerns about the student's rights and a college's responsibilities should promptly inform the appropriate college student services official. A student also has the right to file a complaint with the U.S. Department of Education concerning alleged failures by the college to comply with the requirements of FERPA by contacting the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W. Washington, DC 20202-5901.

Grading

Students may access grades in their *MyKV Portal*. Faculty must enter final grades into the Portal at the close of each semester no later than the date established by Academic Affairs and published in the Academic Calendar.

All course syllabi will contain the grading policies and scales used in the course. Only letter grades are recorded and issued at the end of each semester. The five (5) letter grades reflect the following quality of a student's performance:

A: Excellent work
B: Above average work; very good work
C: Acceptable, satisfactory work; work met the minimum standard
D: Poor work
F: Unacceptable work

Departments, programs, and disciplines do reserve the right to modify grading policies to best suit individual courses and programs. In the absence of a modified grading policy courses will use the following KVCC Standard Grading Scale:

Letter	Grade	Scale
A	4.00 grade points per credit hour	95-100
A-	3.67 grade points per credit hour	90-94
B+	3.33 grade points per credit hour	87-89
B	3.00 grade points per credit hour	83-86
B-	2.67 grade points per credit hour	80-82
C+	2.33 grade points per credit hour	77-79
C	2.00 grade points per credit hour	73-76
C-	1.67 grade points per credit hour	70-72
D+	1.33 grade points per credit hour	65-69
D	1.00 grade points per credit hour	60-64
F	0.00 grade points per credit hour	Below 60

Graduation Requirements

A student must successfully complete all courses in an associate degree or a certificate program and submit a graduation application to be eligible to receive a diploma. Associate degree or certificate candidates must attain a 2.0 minimum cumulative grade point average and must complete a minimum of 25% of the program credit hours at the College. Degrees and certificates will not be released by the College until all financial obligations are met.

Participation in Commencement

- Students may participate in Commencement Exercises if they have a 2.0 cumulative average and are within six (6) credits of meeting graduation requirements.

Honor Cords

- Students with a GPA from 3.50 to 3.699 are designated as graduates with honors.
- Students with a GPA of 3.70 and higher are designated as graduates with high honors.

Grading Symbols/Codes

AA	Articulation Agreement
AF	Stopped attending a course without officially "Dropping." The grade of "AF" will be computed as an "F" in GPA.
AP	Advanced Placement
AR	Apprenticeship
AU	Audit
AW	Administrative Withdrawal
CD	Credential Review
CE	Challenge Exam
CL	CLEP Exam/DANTES Exam
DS	DSST Exam
FL	Foreign Language Exam
I	Incomplete
IB	International Baccalaureate
LE	Prior Learning Credit
ME	Military Experience
NC	Non-Credit
P	Passed (for pass/fail course, not computed in GPA)

PA	Portfolio Assessment
R	Repeat
S	Satisfactory
TR	Transfer
U	Unsatisfactory
*W	Withdrew (not computed in GPA)
WF	Withdrew failing (dropped course(s) after mid-point of semester, computed in GPA)
WIP	Work in Progress
WP	Withdrew passing (dropped course(s) after mid-point of semester, not computed in GPA)

**Courses that have been repeated and removed from GPA calculations.*

Incomplete Grades

Students are expected to complete all prescribed course work during the semester in which the course is taken. In extenuating circumstances, a grade of "incomplete" may be given to a student who has completed 75% of the requirements of the course.

Students must first request and receive an incomplete grade from the faculty member. The student has two weeks into the next semester to complete the missing requirements. An appropriate grade will then be awarded. In exceptional circumstances, a student may petition the faculty and Academic Dean for an extension of the "incomplete" to a time of completion agreed upon by the student, faculty, and Academic Dean. Failure to complete the work will result in the grade earned at that time.

Maximum Allowable Credits

Students may register for a maximum of 18 credits in one semester without the prior permission of the Academic Dean.

Mid-Term Grades

During the Fall and Spring semesters, grades will be reviewed at mid-semester. Students receiving less than a "C" or whose performance is unsatisfactory may receive an academic warning. Students who receive unsatisfactory midterm grades should meet with their instructor and/or Academic Advisor to discuss the grade(s) in detail.

Transcripts

All requests for copies of student transcripts are to be directed to the Academic Affairs Office. Federal law requires that requests must be in writing with appropriate student signature or submitted through a secure third party vendor (Parchment). A $6.00 fee will be assessed for each transcript and will be due and payable with the transcript request. A $10.00 fee will be assessed for on demand "over the counter" transcripts.

Withdrawal from a Course

Students must contact the Enrollment Services Center in the Frye Building on the Fairfield campus to withdraw from a class. This cannot be done through the ***MyKV Portal***.

Through the 12th week of a semester:

- A student may withdraw from a course only during the semester in which he/she is registered for a specific course. The withdrawal period extends from the beginning of the second week (end of the drop period) in a semester through the twelfth week of fall and spring semesters. Summer sessions vary in length and these dates are not applicable. Contact the Enrollment Services Center in the Frye Building for specific information regarding the appropriate withdrawal dates for summer sessions.
- Students are encouraged to discuss a withdrawal with their Academic Advisor as it may impact their progression through an academic program.
- A grade of "W" will appear on a student's transcript and will not be used to calculate a student's grade point average (GPA).

- There will be financial consequences associated with withdrawing during this time frame. Students should contact the Financial Aid Office (if the student receives aid) and the Business Office for specific information regarding withdrawal.
- A withdrawal from a course is counted as a course attempted but not completed, and will adversely impact your satisfactory progress as defined by the KVCC Financial Aid Satisfactory Academic Policy. This, in turn, can have adverse financial aid consequences. When withdrawing from a course, students receiving financial aid should contact the Financial Aid Office to discuss the financial consequences and the impact this withdrawal will have on satisfactory academic progress.

In extraordinary circumstances, a withdrawal from a semester may be granted after the twelfth (12th) week *in a semester*, and a grade of "W" will appear on the student's transcript. It will not impact the student's Grade Point Average (GPA).

- An extraordinary circumstance may involve a medical condition, serious illness for student or student's family, or the death of a family member. Documentation must be provided.
- Students requesting withdrawal status after the 12th week in a semester will be referred to the Dean of Students. A Special Request Form is completed, the last date of attendance is recorded, written documentation is gathered, and faculty is notified. The student must make this request for special circumstance withdrawal within 10 business days from the close of the current semester or summer session.
- There will not be a refund of tuition or fees.

Withdrawal from the College

Students wishing to withdraw from the College must contact the Enrollment Services Office or the Registrar. Students are reminded to contact the Financial Aid Office before taking this action to understand any possible financial impacts more fully.

ENROLLMENT & THE ADMISSION PROCESS

Kennebec Valley Community College welcomes applications for admission from prospective students of all ages and backgrounds. The academic credentials and life experience of each applicant are considered on an individual basis. All applicants for credit programs are required to have earned a high school diploma or a state high school equivalency diploma as well as meet program-specific requirements.

Students are accepted for general admission in the fall, spring, or summer semesters. It is recommended that candidates for admission submit their applications as early as possible. Though KVCC has rolling admissions for most programs, the early accepted student generally has access to a wider selection of courses. Several competitive programs admit students only in the fall semester.

ENROLLMENT SERVICES CENTER (ESC)

The following departments, located in the Frye Building, comprise the Enrollment Services Center, a one-stop for enrollment needs (207-453-5822 or enrollment@kvcc.me.edu):

Academic Affairs - Students can obtain official copies of academic transcripts and have transfer credits from other institutions evaluated. Undeclared students not in a specific academic program may register, add, or drop courses. The Enrollment Center, located in the Frye Building provides a one-stop for all enrollment needs.

Admissions - This office processes applications, collects high school and college transcripts, and immunization records. The staff oversees the administration of the TEAS test and the process for course placement. Students may contact an admissions representative for a tour of the campus or an appointment to discuss academic programs and requirements for admission.

Advising, Enrollment and Transfer - Students are assigned an academic advisor. In the absence of their academic advisor, students may seek general advising services regarding registration, adding or dropping a course. Finally, students who are looking to continue at a four-year institution may receive specialized transfer advising.

Financial Aid - All federal and state aid is processed in this office. This includes grants, scholarships, loans, work-study, and Veterans' Educational Benefits.

REQUESTING INFORMATION

Prospective students may request program information by completing the Request for Information form at www.kvcc.me.edu or contacting the College directly.

Kennebec Valley Community College,
Enrollment Services Center, Frye Building
92 Western Avenue, Fairfield, Maine 04937
Phone: (207) 453-5822 or Toll free 1-800-528-5882;

Fax: (207) 453-5010
Email: enrollment@kvcc.me.edu
Website: www.kvcc.me.edu

CAMPUS VISITS

Campus tours, individual appointments, and participation in our small-group visitation programs are recommended for all prospective students. KVCC invites interested student to schedule an appointment with an enrollment representative to discuss their educational interests. Information about academic programs and student support services is provided along with requirements and procedures for admission.

Prospective students are encouraged to contact the Enrollment Center at (207) 453-5822 or toll free 1-800-528-5882 or email at enrollment@kvcc.me.edu to schedule an appointment.

ADMISSION

KVCC is committed to providing access to a college education. With a rolling admissions policy for most programs, individuals can apply and be considered for acceptance throughout the year.

All programs begin in the fall semester, starting late August to early September. Spring admission is possible for most programs. additional admission requirements and capacity limits are connected to our Trades programs, Nursing, and several Allied Health programs.

GENERAL ADMISSION

- Complete the online application at www.kvcc.me.edu
- An official high school transcript for all years attended
- Current high school seniors must include the first marking period for the senior year. A final transcript will be needed for all graduating seniors prior to the first day of college classes.
- Non-high school graduates must submit official GED/HiSET test scores.
- Students who have been matriculated at a regionally accredited college or university and who have earned at least 15 college-level credits do not need to supply their high school transcript or GED. Individuals should submit official college transcripts from all colleges attended. A final transcript with final grades will be needed prior to the first day of classes.
- Home-schooled applicants are required to submit an official school transcript or annual assessment of courses completed

Multiple Measures

To have a more holistic understanding of a student's college-readiness, multiple measures are used to guide course placement. Multiple measures include, but are not limited to, high school coursework, college coursework, testing assessments such as the Accuplacer and SAT, GED and HiSET scores, military training, life experience, guided self placement as well as personal interviews.

Capacity & Additional Admission Requirements
In addition to the steps noted above, several academic programs have capacity limits for the number of students and additional requirements for the admission to a specific program.

The programs noted below begin each Fall semester with limited seats available for admittance.
For information regarding the additional requirements, please go to the program page on the KVCC website.

Fall Program Cohorts

Fall Program	Capacity	General Admission Requirements	Additional Requirements
Applied Electronics	22	x	
Business Administration	Open Enrollment	X	
Biological Science	16	X	
Career Studies	Open Enrollment	X	
Culinary Arts	28	X	
Early Childhood	Open Enrollment	X	
Electrical Lineworker	30	X	X
Electrical Technology	20	X	
Emergency Medical Services	24	X	
General Studies	Open Enrollment	X	
Health Information Management	24	X	
Health Science	Open Enrollment	X	
Liberal Studies	Open Enrollment	X	
Medical Assisting	20	X	
Medical Coding	Open Enrollment	X	
Mental Health	Open Enrollment	X	
Nursing	40	X	X
Occupational Therapy Assistant	20	X	X
Phlebotomy	12	X	
Physical Therapist Assistant	20	X	X
Plumbing & Heating	16	X	
Precision Machining Technology	24	X	
Psychology	Open Enrollment	X	
Radiologic Technology	18	X	X
Respiratory Therapy	16	X	X
Sustainable Construction	12	X	
Trade & Technical Occupations	Open Enrollment	X	
Welding	16	X	

Capacity
Open Enrollment programs have no capacity limits. Applicants must meet the general admission requirements. Capped Programs are programs that have capacity limits as noted above.

General Admission Requirements
All programs must meet the general admission requirements for admission to the College. These are noted on page 31.

Additional Admission Requirements
In addition to general admission requirements, several programs have additional admission requirements. These are noted above.

ADMISSION ENTRANCE EXAM

Test of Essential Academic Skills (TEAS)

The TEAS is an entrance exam that measures a student's math, science, reading and English and Language Usage and is required for the Nursing, Physical Therapist Assistant, Occupational Therapy Assistant, Respiratory Therapy and Radiologic Technology programs. Required scores are noted on the admission sheet for each program and may be found in the Program section of the Catalog beginning on page 54.

Admit in a Day

This event occurs once each semester. Students are able to apply online, complete Accuplacer assessment, complete the FAFSA with assistance from Financial Aid staff and meet with an academic advisor for course placement. For additional information regarding dates, email enrollment@kvcc.me.edu or contact us at (207) 453-5822.

IMMUNIZATIONS (STATE REQUIRED)

All matriculated students born after 1956 are required by Maine State Law to show proof of immunizations for measles, mumps, rubella, and diphtheria/tetanus. Additional immunizations are required in the health programs in order to meet the requirements of the clinical facilities. Documentation must be received prior to attending any classes. For further information, email enrollment@kvcc.me.edu or contact us at (207) 453-5822.

Effective September 2021, requests for a waiver of immunizations based on religious, philosophical or personal reasons may not be granted. Students may request a waiver based on medical reasons only. For further information, contact the Enrollment Center at (207) 453-5822.

Complio, also known as American Data Bank, is the online system that KVCC uses for Allied Health and Nursing students to submit and track immunization, background and CPR entrance requirements for their respective programs. Students will be required to create an account and upload their own immunization documentation into the system, rather than providing the records to the college. Students will continue to have access to Complio after they have completed their program at the college. All students attending face-to-face classes are required to be fully vaccinated.

Immunization information is collected in COMPLIO. This company provides life time access to your immunization records. Applicants will receive more information during the admission process.

Immunizations for Nursing & Allied Health Programs

In addition to State required immunizations, the Nursing and Allied Health Programs require additional immunizations.

These immunizations and the CPR certification are part of the admission process to Nursing and Radiologic Technology.

These are not part of the admission process to the Allied Health programs (EMS, HIM, MAS, MLT, OTA, PTA, and RT). However, proof of vaccination for the following infectious diseases must be submitted prior to working in all healthcare facilities for fieldwork or clinical placement:

- proof of immunization against Tetanus, Diphtheria and Pertussis (TDAP) within the last ten (10) years;
- proof of immunization against Measles, Mumps & Rubella (MMR) or Titer; if non-immune, requires additional MMR Vaccinations;
- proof of immunization against Hepatitis Series B and Titer (6+ month process). If non-immune, a waiver is required;
- proof of immunization against chicken pox and a Varicella Titer if non-immune, two (2) doses of Varicella vaccine is required;
- influenza vaccines may be ***required annually*** depending on healthcare facility requirements

Current CPR Certification: Basic Life Support (BLS) Provider from the American Heart Association or American Red Cross is required for Nursing and Allied Health programs. Online CPR Certification is not accepted in some programs.

STUDENTS WITH DISABILITIES

The College is committed to assisting qualified individuals with disabilities to achieve their educational goals in accordance with Section 504 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1990. While the College is ready to provide reasonable accommodations, students are responsible to request accommodations. Documentation of the disability and the need for the requested accommodation must be provided.

For information regarding the required documentation and to make a request for accommodation, contact the College's Personal Counselor at (207) 453-5150 or email disability@kvcc.me.edu

INTERNATIONAL STUDENTS

International students who wish to attend KVCC on a student F-1 VISA must submit all required application materials, and provide TOEFL scores. International F-1 VISA students must enroll and complete twelve (12) credits in each semester (no more than 3 credits online).

International student application steps:

- Complete the KVCC application at www.kvcc.me.edu. Submit official copies of academic transcripts. All documents must be original and translated to English by a certified translator. Any cost incurred for translation is the student's responsibility.
- Either submit TOEFL with a score of 500 or better in the paper version or 173 or better in the computerized version, or take the ESL version of the placement assessment.
- Submit declaration of financial status (official copies of bank statements).
- See the International Student section for the process required for the College to submit an I-20 in order to receive an F-1 Visa.
- Contact the Assistant Dean of Enrollment at (207) 453-5155 for assistance or additional information.

READMISSION TO THE COLLEGE

Students may request readmission by contacting the Enrollment Services Center at (207) 453-5822 or email enrollment@kvcc.me.edu

The catalog current at the time of readmission will be used to determine program requirements. Students shall be subject to all rules and regulations effective at KVCC at the time of, or subsequent to, readmission. Absence from the College for over one (1) year will require written notification requesting readmission. Students must meet the current admission and prerequisite requirements that apply to the program at the time of readmission, and must request official transcripts for courses taken at other colleges since attending KVCC.

Upon review of the student's request and examination of the required information, the student will be notified of the decision regarding his/her readmission status. Readmission is granted on a space available basis. Students who left the institution on academic probation will be readmitted with that status. A request for readmission into a program other than the original program requires the submission of a new application. Students seeking readmission to a competitive program (Trades, Nursing or Allied Health) following academic dismissal must adhere to the policies outlined in Program Handbooks. For more information contact the Department Chair for a specific program.

FINANCIAL INFORMATION

COST OF ATTENDANCE

The financial requirements of the College, changing costs, state and legislative action, and other matters may require an adjustment of these charges and expenses. The College reserves the right to make such adjustments to the estimated charges and expenses as it deems necessary. All students acknowledge this reservation by the submission of an application for admission or by registration. All fees are non-refundable.

TUITION COSTS

MAINE RESIDENT	$96.00 per credit
NON-RESIDENT TUITION	$192.00 per credit
NERSP ("APPLE" PROGRAM) PARTICIPANTS	$144.00 per credit

Costs

Enrollment Confirmation	$75.00	Required of all accepted students to confirm enrollment; non-refundable after May 1st for Fall Semester and Dec 1st for Spring Semester.
Comprehensive Fee	10%	Of course tuition
Activity Fee	$3.00	Per credit hour
Parking Fee	$50.00	Annual fee divided into $25.00 per semester; no charge during summer session
Student & Accident Insurance	$16.00	Required for all matriculated students; 12 month annual premium (Plan 1)
Supplemental Accident Insurance	$7.50	Required of students in Culinary, Lineworker, Electrical, Energy Services, Precision Machining, Welding and Sustainable Construction
Professional Liability Insurance	$15.00	Required of students in Early Childhood, Occupational Therapy, Physical Therapist, Medical Assisting, Nursing, Phlebotomy and Radiologic Technology
Professional Liability Insurance for EMS Program	$66.00	Required of all students in the Emergency Medical Services Program
Experiential Liability Insurance	$18.00	All programs with an experiential component to the curriculum
Graduation Fee	$75.00	Per degree attainment; this fee is not based on attendance at Commencement

New Student Fee	$30.00	Required first semester as an enrolled student in first program (Fall, Spring or Summer)
Late Fee	$25.00	Accounts not paid by designated date noted on student bill
Payment Plan	$25.00	Per semester
Portfolio Review (PLA)	$125.00	Per Portfolio attempted
Challenge Examination	$100.00	Per Challenge Exam attempted
Technical Course Fee	20%	Of Course tuition
Non-technical Course Fee	10%	Of Course tuition
Course Audit	1/3	Of Course tuition and applicable course fees
Course Packs		Course packs range from $20.00 to $350.00.
Test of Essential Academic Skills (TEAS)	$65.00	Admission test for applicants in Nursing, Respiratory Therapy, Occupational Therapy, Physical Therapist and Radiologic Technology. Payment due in advance of test; payment and Registration occur on the MyKV Portal.

ACCIDENT AND SICKNESS INSURANCE

A 12-month Student Accident Insurance Plan is required for all matriculated students (students in a program of study). Students will be automatically enrolled in the Accident-Only Insurance Plan, and billed an annual premium of $16. The cost for this Accident Insurance is pro-rated ($8.00) for students beginning in January.

This Accident Insurance policy ***will not*** meet the requirements for health insurance under the current federal guidelines. Brochures outlining the coverage details as well as enrollment cards are available in the Enrollment Center and at *Cross Insurance Agency's webpage at www.crossagency.com/kvcc*

ADD/DROP REFUND POLICY

Courses may be added or dropped during the first six (6) business days of the semester on a space available basis.

- During this add/drop period, tuition and fees will be refunded.
- Textbook refunds will be processed according to College Store policies.
- Between seven (7) and ten (10) business days of the semester's first day of classes, 50% of each dropped course will be refunded.

Refund levels may vary for special or short-term courses depending upon the circumstances. No refunds are given for terminations resulting from academic, disciplinary, or financial dismissal. Students who feel that individual circumstances warrant exceptions from the published policy may appeal in writing to the Dean of Finance.

NEW ENGLAND TUITION BREAK PROGRAM

NEBHE's Tuition Break program, the New England Regional Student Program (RSP), provides significant tuition savings to residents of the six New England states when they enroll at out-of-state public colleges and universities within New England and pursue approved programs. For more information go to: https://nebhe.org/tuitionbreak/

PAYMENT OF TUITION FEES

All College invoices are due and payable upon receipt. Student invoices are sent in July, November, and April. A late payment fee of $25 will be assessed for all overdue accounts for each semester. A fee of $10 is charged for

every check returned by a banking institution. Transcripts or grade certificates will not be released until individual accounts are settled in full.

PAYMENT PLAN

The College offers a payment plan for matriculated students enrolled in a minimum of 6 credit hours. A $25 fee is charged for each payment plan.

The plan requires the following payment schedule:

- 25% due at time the payment plan is created with the student
- The remaining balance is divided into three equal parts, each due in 30-day intervals

RESIDENCY

A student's classification for residency applies for the entire semester. The student must demonstrate that he/she meets the criteria for residency. Students qualify for the MCCS in-state tuition when:

- a student has established a primary residence in Maine for at least the 12 consecutive months immediately prior to the date of admission. Evidence of such residence includes a driver's license, voter registration, marriage license or domestic registration, signed residential lease, mortgage, property taxes, utility bills, state or federal income tax filing, or letter on letterhead from a nonprofit entity or government agency attesting that the student resides in Maine.
- a student is claimed as a dependent for tax purposes by a parent or guardian who are State of Maine residents.
- a student is a member of the Armed Forces during their period of active duty in Maine or is claimed as a dependent by members of the Armed Forces during active duty in Maine.
- a student is married or domestically registered with a person who is a Maine resident.

Maine residents who are absent from the State for military or full-time educational purposes will normally remain eligible for in-state tuition provided they claim Maine as their state of residency on all official documents and declare income earned out of-state on Maine income tax returns.

For additional information, contact the Dean of Student Affairs at (207) 453-5019.

STUDENT EMPLOYMENT

Student employment positions are supported by Federal monies in the form of work study and employment opportunities funded by the Maine Community College System. These positions are available fall, spring and summer semesters. The hourly wage is in line with minimum wage. Students earn money to help pay education costs by performing job responsibilities on campus. Student employment positions are available on both the Alfond and Fairfield Campuses and the two (2) satellite locations, Mid Coast School of Technology in Rockland and the Buker Center in Augusta.

A list of positions available may be found on the College's website under Financial Aid.

NATIVE AMERICAN TUITION WAIVER

The Native American Tuition Waiver is available for matriculated students who are Maine residents and document their membership or ancestry in a Maine-based Native American tribe.

To qualify for a Native American tuition waiver, the student must meet the following eligibility criteria:

- reside in Maine for the twelve (12) consecutive months preceding enrollment for which the waiver is sought;
- be accepted into a degree or certificate program and enrolled in credit-bearing courses at KVCC. The student must remain in good academic standing as defined by the College and maintain Satisfactory Academic Progress as defined by Title IV Federal financial aid regulations.

- complete the Free Application for Federal Student Aid (FAFSA) annually as soon as possible after January 1 and provide the documents required for determining aid eligibility. Applicants must meet the general eligibility requirements for receiving Federal student aid.
- provide documentation that the student is a person whose name, or whose parent's or grandparent's name, is on the current tribal census of:

    a. the Passamaquoddy Tribe;
    b. the Penobscot Nation;
    c. the Houlton Band of Maliseet;
    d. the Aroostook Band of Micmac; or
    e. a state, federal, or provincial North American Indian Tribe, or held a band number of the Maliseet or Micmac Tribes.

This documentation shall include an original tribal verification document sent directly from the pertinent tribal enrollment office to the college no later than two weeks prior to the start of the semester for which the student seeks the waiver.

Waiver Amount

The waiver is equal to in-state tuition charged to the student in a semester less any Federal or state need-based grants or scholarships for which the student qualifies. The waiver may not, either alone or in combination with other aid received, exceed the total cost of attendance as determined by federal standards and the college's financial aid office, and does not apply to room or board charges, book or tool costs, academic or program fees, or other student fees.

Other restrictions apply:

- charges other than tuition are not waived;
- tuition is not waived for courses with a grade of NS (no show);
- summer session tuition is waived only for students in majors which require summer attendance.

Duration of Eligibility

Eligibility for the waiver ends after the student has earned one degree or one certificate or after the student has attempted 90 credits at KVCC, regardless of whether or not the student has earned a credential.

SENIOR CITIZEN TUITION WAIVER

Senior citizens who are a Maine resident and at least 65 years of age may register on a space available basis for credit courses where tuition is waived. Individuals may register for up to six (6) credits in a semester. All other fees and charges are applicable.

THIRD PARTY SPONSORSHIP

Sponsors must submit a written document to the Business Office that verifies financial responsibility in advance of final student registration.

FINANCIAL AID

ELIGIBILITY

Kennebec Valley Community College offers financial assistance to eligible students who enroll part-time or full-time in credit programs that lead to degrees, certificates, or diplomas, as described in the College catalog. While the primary responsibility for financing an education rests with the student and family, KVCC supplements this obligation with awards from grant, scholarship, work, and loan programs. Most students who complete the application process for financial aid and KVCC Foundation scholarships receive at least some free aid. Qualifying students may use the financial aid awarded from the various financial aid programs to meet both direct school costs (tuition, fees, books, supplies) and off-campus living costs (room, board, transportation, childcare, personal expenses).

Financial assistance to students is made available through several federal, state, private, and college financial aid programs. To remain eligible, recipients must apply each year and maintain satisfactory academic progress toward their degrees/certificates as outlined in the Satisfactory Academic Progress Policy. This policy and the Financial Aid Refund Policy (for students who withdraw from the College) are posted on the KVCC website.

Financial Aid is not awarded for credit hour registrations associated with Audits, Challenge Exams, Work Experience Credit, Transfer Credit, or repeats of courses with grades of "Incomplete."

APPLICATION PROCESS

Though students can apply at any time, from October 1 of the previous year right up to the start of classes, they are encouraged to apply by March 1 for best offers and no later than May 1 to meet the deadline for the State of Maine grant program. Financial aid is still available for students applying later than these dates, but the total awards available may be less. Students must file a Free Application for Federal Student Aid (FAFSA) to qualify for assistance from most of the financial aid programs offered by KVCC. Applicants (and their parent, if the student is a "dependent" as determined by questions on the FAFSA) must create a Federal Student Aid User ID and password see https://studentaid.gov/fsa-id/create-account/launch) and complete their FAFSA online at www.studentaid.gov) and complete their FAFSA online at www.fafsa.ed.gov. To ensure that KVCC receives the completed FAFSA, at the appropriate location on the application students must enter KVCC's school code, 009826.

Over 30 percent of FAFSA's received at KVCC are "marked for verification" by the Department of Education. Students whose FAFSA must be verified are required to submit additional forms and may need to obtain federal tax transcripts from the IRS for themselves and/or spouses or parents. These tax transcripts are obtained from the IRS. In lieu of tax transcripts, those who are required to submit them may access the IRS Data Retrieval tool on the FAFSA to have their IRS data transferred onto their FAFSA.

Complete information regarding the financial aid process is available by contacting the Financial Aid Office at (207) 453-5130, email financialaid@kvcc.me.edu or visiting the College's website at www.kvcc.me.edu.

GRANTS

Federal Pell Grants

Over 70% of KVCC students who complete the financial aid process receive Pell grants. For 2021-2022, the annual award for a full-time student ranges from $600 to $6,345. All Pell-eligible students will receive awards, though students who would otherwise qualify but have reached their Pell lifetime eligibility limit would not be awarded. For more information on Pell lifetime limits, please contact the Financial Aid Office at (207) 453-5130.

Based on financial need, awards are available to full-time (12 or more credits per semester), three-quarter time (9 to 11 credits per term), half-time (6 to 8 credits per term), and less-than-half-time (1 to 5 credits per term) enrolled students. Only undergraduates who have not yet earned a first baccalaureate degree are eligible for Pell Grants.

Federal Supplemental Educational Opportunity Grants (FSEOG)

FSEOG's are awarded to students with exceptional need who are also receiving Federal Pell Grants. All part-time and full-time students may qualify for awards, but due to limited funding, all eligible students will not receive awards. Only undergraduates who have not yet earned a first baccalaureate degree are eligible.

State of Maine Grant Programs

These awards are made by the State of Maine to students who demonstrate a certain level of need and are undergraduates who have not yet earned a first baccalaureate degree. The application is the FAFSA form which a student must submit by May 1 each year in order to qualify.

SCHOLARSHIPS

The College offers many opportunities for scholarships. For more information on scholarships and grants available, contact KVCC Foundation at (207) 453-5120 or access the KVCC Foundation Scholarship section under Financial Aid on the College's website.

LOANS

All first-time borrowers must complete a federally-mandated loan entrance interview and Master Promissory Note before their loan can be disbursed. Directions for doing this online are provided on the Loan Request Form which is sent with the Financial Aid Notification, after the student's financial aid eligibility has been determined. Students should contact Financial Aid if they need assistance, 207-453-5130.

Subsidized William D. Ford Federal Direct (Stafford) Student Loan
Based on financial need. The principal and interest are both deferred as long as the student is enrolled at least half time (6 credits), and the student has not exhausted their subsidized loan eligibility. In addition, the principal is deferred until six months after the student graduates or drops below 6 credits.

Unsubsidized William D. Ford Federal Direct (Stafford) Student Loan
Non-need-based. The interest is either paid while a student is in school or capitalized over the life of the loan. The principal is deferred until six months after a student graduates or drops below 6 credits.

Direct PLUS Loan (Parent Loan for Undergraduate Students)
This loan is available to parents of a dependent student (parents must have a good credit history to qualify). If a parent is denied a PLUS loan, the dependent student may qualify for an additional unsubsidized Stafford loan. For more information, contact the Financial Aid office at financialaid@kvcc.me.edu.

Alternative (Private Education) Loans
These loans are not federal loans and not federally guaranteed. Borrowers are subject to a credit check and interest rates vary. KVCC does not have a "preferred lender list" for alternative loans. For more information, check with the Financial Aid Office.

LOAN COUNSELING

Loan counseling provides information on student loans and the responsibilities that go with borrowing a loan. If you have questions after completing the entrance or exit counseling at studentaid.gov contact Financial Aid at (207) 453-5130 or email financialaid@kvcc.me.edu.

Federal Loan Limits and Refusal to Certify a Direct Loan
Through debt management and loan counseling, students are encouraged to borrow only what they need for educational costs. Annual loan limits for subsidized and unsubsidized loans are: $3,500 for first year undergraduates, and $4,500 for second year undergraduates. Dependent students may be eligible to borrow an additional unsubsidized loan of up to $2,000 per academic year. Independent students and dependent students whose parents cannot borrow a PLUS loan may be eligible to borrow an additional unsubsidized Stafford Loan of up to $6,000 per academic year. Students who have questions on how much to borrow should contact the Financial Aid Office for individual assistance.

KVCC reserves the right, as granted by the U.S. Department of Education, to refuse to certify a student's Stafford loan or to certify the loan for an amount less than the established federal limits. In that instance, KVCC must document the reason and provide that written explanation to the student. KVCC's decision is final and cannot be appealed to the Department of Education.

VETERAN BENEFITS

All credit programs and select non-credit courses are approved by the Maine State Approving Agency for Veterans Education Programs for the use of the various Veteran Educational Assistance Programs. Students should obtain applications from their Veteran Centers or by visiting their website at at www.va.gov/education to fill out an online application in advance of course registration. For many students, it is form 22-1990.

Students who receive veteran benefits may also qualify for other financial aid options offered by the College and are encouraged to apply. Students planning to use educational benefits should contact the Financial Aid Office at financialaid@kvcc.me.edu. Additional information regarding veteran benefits is posted in the Financial Aid and Veteran Benefits section of the KVCC website.

For further instructions on arranging payments from the U.S. Army, National Guard and Vocational Rehabilitation at Togus, please see KVCC Policies for Veteran Based Payments at http://www.kvcc.me.edu/Pages/General/Policies. There you will also find information about tuition waivers for dependents.

Contact the Business Office at (207) 453-5140 if you have questions regarding the payment of tuition and fees.

Title 38 United States Code Section 3679(e) School Compliance Form

As part of the Veterans Benefits and Transition Act of 2018, section 3679 of title 38, KVCC adheres to the following policies. Effective August 1, 2019, the State approving agency, or the Secretary when acting in the role of the State approving agency, shall disapprove a course of education provided by an educational institution that has in effect a policy that is inconsistent the areas below:

A *Covered Individual* is any individual who is entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33, post-9/11 GI Bill® benefits.

Any *covered individual* can attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

- The date on which payment from VA is made to the institution.
- 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

KVCC will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a *covered individual* borrow additional funds, on any *covered individual* because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33.

MONTHLY HOUSING ALLOWANCE

Section 107 of the Harry W. Colmery Veterans Educational Assistance Act of 2017 requires the Department of Veterans Affairs (VA) to calculate monthly housing payments based on the campus location where a student attends the majority of classes. This provision affects students attending any terms that begin on or after August 1, 2018.

Section 107 of the Colmery Act requires housing payments to be calculated based on the "campus of the institution of higher learning where the individual physically participates in the majority of classes." Prior to this law, payments were based on the "institution of higher learning at which the individual is enrolled." This section of the law will require a new process to allow schools the ability to report the specific zip code locations of program attendance that may not be represented by the VA "facility code(s)" your school has been assigned.

Student housing allowance payments have always been based on the housing rates tied to zip codes; however, VA systems use the "facility code" on the enrollment certifications to in turn locate the zip code of the facility in order to pay the student's housing allowance.

These facility codes and associated zip codes often do not represent the locations that individuals "physically participate" in their program.

VA interprets this statute to include the physical attendance at any location a student's program may take them. Those locations are often different than the zip code of your "facility code" location:

- Actual campus locations of the school where the student is taking classes; for example, the school's science center, humanities building, or athletic center may be in a different zip code than the facility code's listed zip code.
- Terms spent in a study abroad program are not located at the certified facility code location.
- Any internship, externship, practicum, or student teaching experiences may also be in a zip code location other than the one associated with zip code associated with the facility code listed on the enrollment certification.

Extension Centers

Main Campus
92 Western Ave
Fairfield, Maine 04937

Harold Alfond Campus
23 Stanley Road
Hinckley, Maine 04944

The Buker Center
22 Armory Street
Augusta, Maine 04330

Mid-Coast School of Technology
1 Main Street
Rockland, Maine, 04841

STUDENT LIFE

Kennebec Valley Community College offers a variety of services and opportunities designed to help students achieve their goals through engagement, success, and development. Highlighted in this section are the resources, services, and support services available to all students.

CAMPUS CENTER

The King Hall Campus Center in Fairfield provides a meeting place for students to relax, participate in activities, have lunch, or meet with friends. The Center offers access to vending machines, a refrigerator, and microwave. The Campus Center is a great gathering place complemented by soft seating, a fireplace, wireless technology, and table space.

The Alfond Campus also provides access to vending machines in the Averill Building in addition to several chill spaces. These spaces, located in the Averill Building and the KVCC Center for Science and Agriculture, will provide comfortable spaces for students to gather, meet, group or individual study and enjoy wireless technology.

COLLEGE STORE

In addition to textbooks, study guides, and reference materials, the College Store, operated by Barnes & Noble, offers clothing, computer software, school supplies, and gift items. Other services available include UPS, FedEx, U.S. outgoing mail, fax, and photocopies. The College Store remains open for extended evening hours at the beginning of each semester.

CREDIT FOR SERVICE

The Credit for Service volunteer program assists students in an effort to promote volunteerism. The student must complete 90 hours of volunteer service on the KVCC campus or at an approved off-campus site. Tuition only for a 3-credit course will be applied in a subsequent semester. For more information, contact the Dean of Student Success at (207) 453-5084 or the Credit for Service on our website at www.kvcc.me.edu

FOOD SERVICES

Food services available on both campuses.

The KV Café on the Fairfield campus offers hot and cold food items, homemade selections, a full breakfast menu, and daily specials. The Café is open during the academic semesters and is closed during vacations and the summer season.

Salubrious on the Alfond campus offers quiet place to relax while enjoying your lunch or a snack.

In addition to daily food services, catering services are also available on both campuses. When planning an event, contact our food service at cafe@kvcc.me.edu for information on catering.

INFORMATION TECHNOLOGY (IT)

KVCC's Technology staff is committed to providing information technology hardware and software to support academic excellence and personal growth. To achieve this, multiple computer labs are utilized to deliver both general education and program specific course offerings. All classrooms are equipped with high resolution data projectors to enhance instructor and student presentation capabilities. In addition, open labs provide students access to the College's computing resources whenever the College is open. Specialized labs are also available in many program areas as well as a lab in the Learning Commons.

Help Desk IT staff are available for technology-related academic assistance during the College's normal hours of operation. Please check www.kvcc.me.edu/helpdesk for current operating hours and an explanation of the services provided by the Help Desk. The Help Desk may be contacted by calling (207) 453-5079 or emailing at itsupport@kvcc.me.edu

MyKV Portal The Portal provides access to grades, semester schedules, financial aid information and other essential information. Students also use the Portal to register for courses.

Bright Space Bright Space is a Learning Management System which allows students access to course content anywhere there is an Internet connection and a supported browser. Students with courses utilizing Bright Space are automatically enrolled in a Bright Space Student Orientation course in Bright Space and are encouraged to utilize this to familiarize themselves with the tool.

Student ID All matriculated students are issued one KVCC ID card. This card is necessary to access computer labs, borrow library materials and purchase software. The ID card possesses the student's photo, library barcode, and program designation. For credit students, the fee for the first student ID is part of a comprehensive fee applied to your bill. Replacement IDs cost $5 which must be paid at the Enrollment Services Center before a replacement ID will be generated.

Email College personnel use KVCC email to communicate with students concerning College business. Students are responsible for checking this email on a regular basis throughout the year. Wireless access to the KVCC network is available across campus with a valid student/staff login.

OFFICE OF STUDENT LIFE

The Office of Student Life supports programming that encourages student participation and involvement in co-curricular opportunities. By creating engaging activities and ongoing partnerships, the College strives to create a sense of cohesiveness and campus spirit. This office coordinates student leadership opportunities through New Student Orientation and Registration, Accepted Student Night, activities, and general interest in academic clubs and organizations. Students are invited to get involved in key groups on both campuses such as Student Senate and clubs and organizations. For more information, contact the Director of Student Life at 207-453-3540.

Student Clubs and Organizations

Kennebec Valley Community College offers academic and general interest clubs for students that have a shared interest or hobby. Contact the Office of Student Life at 207-453-3540 for more information on existing clubs and organizations or learn how to form a new club.

Student Senate

The purpose of this Student Senate is to represent the interests of the student body with integrity and to encourage student leadership and engagement by supporting student founded groups, organizations, and clubs. The members of the KVCC Student Senate work to create a positive and productive learning environment. They believe in the free exchange of ideas and equality with regard to race, religion, gender, or sexual orientation. For more information about Student Senate contact studentsenate@kvcc.me.edu

Recreation and Fitness Centers

KVCC provides facilities for both recreation and fitness activities on both of our campuses.

Students and community members can access a complete Fitness Center also within Alfond Recreation Center on the Alfond Campus. Here you will find a complete range of cardio, circuit, free weight and strength training equipment. Yoga mats can be found along with a smart tv to access music and workout videos with. Anyone planning to use the fitness center will need to fill out a fitness waiver form and have a validated KVCC id card activated to scan through the door.

The Alfond Recreation Center, has many offerings for fitness and athletic related activities. An exciting addition to the Recreation Center is a renovated racquetball court with a glass viewing area. Racquets, goggles and balls can be checked out during the staffed hours. Groups will want to contact the recreation center staff to reserve play time. Another great feature of the Alfond Recreation Center is a beautiful regulation size hardwood basketball court. With the ability to drop down side court hoops, this is an ideal location for pickup basketball games, small basketball tournaments, or full scale league and school games. Posts and nets can also be setup for indoor volleyball games, and the indoor baseball pitching net can be lowered for teams looking to practice pitching and batting during the winter months. Basketball, volleyball, and pitching equipment are available during staffed hours.

Safety and Security

The College strives to maintain a safe and secure environment. A number of measures are in place to ensure this: parking lots are well lit and are monitored by video camera surveillance, emergency phones are located in the

main areas of each building, security officers are on both campuses during business hours, Fairfield police patrol the campus frequently, the College uses a text-based mass notification system and the College's phone system can be used as an on-campus emergency notification system. The College also has an Emergency Response Team which is responsible for managing any major emergency and/or incident at the College.

Kennebec Valley Community College complies with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act by making the Clery report and statistics information available to students, faculty and staff. The Annual Security Report is prepared by the Director of Campus Safety & Security and the Dean of Students. It includes information regarding campus safety and security, and the crime statistics for the past three years. A log of criminal activity and/or incidents is maintained by Campus Safety & Security. The information from this log, in conjunction with a report from the Fairfield Police Department, creates the basis for reporting incidents on campus, on surrounding roads and walkways, and at off campus College events. This report is available on the College's website by the first of October. An email is generated to the campus community highlighting the availability of the Annual Security Report and encouraging the reporting of all incidents. For more information, contact the Dean of Students at (207) 453-5019 or the Director of Campus Safety & Security at (207) 453-5811 or visit www.kvcc.me.edu/campussafety

The Campus Safety and Security page on the College's website provides information on the following topics:

- Campus Crime Alerts & Timely Warnings
- Reporting Crimes
- Reporting Suspicious Activity
- Voluntary and Confidential Crime Reporting
- Building Security and Access
- Campus Safety and Security Authority
- Emergency Response Plan Dissemination (Evacuation & Lockdown Procedures)
- Crime Prevention and Safety Programs
- Drugs and Alcohol Policies
- College Procedure on Sexual Assault
- Crisis Hotline & Emergency Contact Numbers
- Community Resources
- Registered Sex Offenders

For more information or to report an incident, contact the Director of Campus Safety & Security at (207) 453-5811 or the Dean of Student Affairs at (207) 453-5019.

KVCC App

Mobile technology has fundamentally changed how people interact with information. The expectation is to have information available, personalized and contextually relevant at all times. Student life is no different.

KVCC has partnered with Ready Education to create a student app that will provide information at your fingertips and keep you engaged in campus life. The app is free for all KVCC students and available for Apple and Android phones.

Below are some of the features a student will encounter:

- post questions about carpooling, purchasing books or finding the best places to eat and get answers quickly from the campus community;
- push notifications about important campus information;
- a searchable list of campus services;
- links to the Financial Aid information, Student Employment, Bright Space and the College Store website;
- events on campus;
- class schedule and Orientation information;
- connections to student clubs and organizations;
- campus maps with location features such as dining and recreation.

Download the app from the Google Playstore or the Apple App Store.

ACADEMIC SUPPORT SERVICES

Career and Advising Services

One-on-one advising for education and career selection, assistance with college and career research, and classes on resume writing and interview techniques are available. In addition, the Maine CareerCenter is located on the Alfond Campus in the Averill Hall. Students may access assistance with resume writing, interviewing, and job searches.

EMBARK

Embark is a high-school-to-college transition program designed for high school students who are unsure about what comes next.

Enrolling in this program is a great way to explore the benefits of a community college education. Embark advisors travel to regional high schools high school to help students explore their career interests and the academic, personal, and financial resources needed for success in and beyond community college.

Available for students at "**over 80 Maine high schools**, Embark offers:

- Personalized encouragement and advising in high school and college
- Guidance through the college application and financial aid processes
- For scholarship recipients:
    - Continued support and guidance as you enroll at a Maine community college
    - A scholarship to a Maine community college (up to $2,000 over 2 years)

Since 2003, Embark students have been more likely to both return for their second year and graduate on time than typical community college students.

For additional information about Embark, contact your High School Guidance Counselor or the Embark Regional Director at (207) 453-5009.

JOBS FOR MAINE'S GRADUATES (JMG)

JMG is focused on working with students who participated in JMG in high school and assisting them with their college journey. The JMG College and Career Specialist, located at KVCC, is a student navigator who works with each identified student identifying their goals, helping with academic challenges and advising students. For more information, contact the JMG Specialist at (207) 453-5839.

LEARNING COMMONS

The Learning Commons fosters collaborative learning, provides a welcoming and flexible learning environment, and inspires students to discover, create, problem-solve and collaborate with their peers and faculty. The Commons consolidates academic support services in one location bringing together academic, library, and technology services in this dynamic environment.

The services available to all student are noted below:

Academic Services

- academic coaching;
- time management, note taking, test taking and general study skills;
- access to assistive technology and computer-aided instruction;

- peer and professional tutoring in specific content areas;
- professional assistance in the Math Portal;
- assistance with the provision of disability accommodations;
- preparatory workshops for the TEAS

Library Services

- circulation and reserves;
- research and reference;
- research mentors

Technology Services

- Brightspace assistance;
- technology coaching;
- ID operated photocopy machine;
- technology to loan;
- Mac and Dell computers

The Learning Commons provides open, comfortable spaces for students: to create and collaborate; to receive tutoring in specific content areas; to reserve for testing, study, and small group meetings. Both campuses provide a loan program for technology graphing and scientific calculators, iPad and iPad Mini, and Dell laptops. A photocopy and resource center is available at both locations as well, and students may choose between Macs or Windows based PCs. The Learning Commons is located in Lunder Library on the Fairfield Campus and the Averill Building on the Alfond Campus. To arrange a visit or to access services, contact: (207) 453-5004 or email lc@kvcc.me.edu

TRIO STUDENT SUPPORT SERVICES

KVCC has maintained a federally-funded TRiO Student Support Services program since 1993. TRiO's mission is to provide the comprehensive support necessary to increase degree completion rates of low-income, first-generation students and students with disabilities. KVCC's TRiO program serves more than 180 students each year. The program utilizes a cohort model with structured programming that anticipates participants' needs and scaffolds their experience throughout their first year of college and beyond. Prospective applicants attend an intake interview where personal goals and program services are reviewed. Students who are not eligible to participate are either connected to other College supports or are placed on a waitlist where their progress is monitored as they wait for a spot to open in the program. All new students attend an intensive, mandatory orientation prior to the start of classes where they learn a variety of success skills and develop a personal support network. After classes start, core TRiO services include academic advisement, intensive tutoring in math/science, writing, and technology, personal and professional mentoring, assistance with learning styles/differences, and financial literacy. An emphasis is placed on assisting students to develop self-confidence and leadership skills and aspiration-raising by promoting transfer to four-year schools upon graduation as appropriate. For more information contact: (207) 453-5013 or email trio@kvcc.me.edu

FIRST YEAR EXPERIENCE

Each semester, new students are provided several opportunities to participate in events which highlight essential information and connect students to the College, available resources, staff, faculty, and other new KVCC students. These are "must do" events for all new students! For more information, email the First Year Committee at fye@kvcc.me.edu

New Student Orientation and Registration

New Student Orientation and Registration is a required for all students who are new to the College. Comprised of an on-line class, and a live video session, NSO provides a connection to campus resources and services, financial aid information, and advises students on course selection and the registration process. Contact: (207) 453-5082 or email enrollment@kvcc.me.edu

Accepted Student Night

This event is designed to connect new students with their program faculty prior to the start of the semester/ academic year. Sessions are divided into individual academic programs and are assigned a specific date. Student will receive an invitation from their program faculty when the schedule has been created.

This event, which occurs in the fall and spring semesters, includes an introduction to the student's program and a review of the College's Learning Management System. Social time is also an important piece of this event providing students with the opportunity to meet other students in their program.

Welcome Table

Each semester, a welcome table is available in the main lobby of King Hall (Fairfield Campus) and in the Sustainable Agriculture Building (Alfond Campus). Students can stop to get directions or an answer to a question. Resources are available such as the Student Handbook, campus maps, and a list of resources & services available on both campuses.

Student Handbook

The Student Handbook is printed each academic year and is available to all students. The Handbook contains the academic calendar, a yearly planner highlighting important dates, events, and activities. It may be used to plan study time and course related due dates. The Handbook is also designed as a reference for College policies related to academics, enrollment, rules and regulations, and the Student Code of Conduct.

CAMPUS POLICIES

Children on Campus

Due to the concerns for safety of children and for the quality of class sessions, the following policy concerning children on campus has been adopted:

- Children are not allowed in class sessions.
- Children must be supervised at all times while on campus.
- Children may not be left in the library, Campus Center, or in any other campus area while parents attend class.
- College personnel do not supervise children.

Code of Conduct

The Student Code of Conduct contains a set of principles and guidelines that establishes an atmosphere of mutual respect. The Code of Conduct ensures the orderly administration of the College's academic, athletic and social offerings; secures the opportunity of all students to pursue peacefully their educational objectives; protects the health, safety and welfare of the College and the members of its community; and maintains and protects the real and personal property of the College and the members of its community. The Code applies to all students, clubs and organizations including events sponsored by the College yet occurring off campus.

Student Handbooks are made available each semester for students. An online version is available on the College's website. Additional information regarding the Code of Conduct is available by contacting the Dean of Students at (207) 453-5019.

Alcohol and Drugs

The Maine Community College System policy on alcohol and drugs recognizes that substance abuse is a complex problem and may require professional assistance and treatment. Accordingly, KVCC has a designated an individual to assist with a referral for a substance abuse problem.

The sale, possession and use of alcohol on our campuses or as part of any KVCC activity must comply with the laws of the State of Maine and with local campus regulations and procedures. Violation of such laws, regulations and procedures may result in disciplinary action and, where applicable, criminal proceedings. The possession, use, manufacture or furnishing/trafficking of illegal drugs (opioids, cocaine, methamphetamines, cocaine, marijuana, bath salts, LSD, MDMA, marijuana and its derivatives, etc.) is prohibited at all times on KVCC property or as part of any KVCC activity. "Illegal drugs" does not mean the use of drugs under a valid prescription. Students known to use, possess, manufacture or distribute illegal drugs are subject to law enforcement actions and disciplinary actions.

The possession and/or use of alcohol and drugs is strictly prohibited on the school grounds, is a violation of theStudent Code of Conduct, and can provide grounds for sanctions, including dismissal.

Service and Assistance Animals

Service dogs are the only animals that may be brought by a student or member of the public onto a KVCC campus. A "service animal" is a dog that is individually trained to do work or perform tasks for the benefit of an individual with a physical or mental disability. The work or tasks performed by a service animal must be directly related to the individual's disability. Examples of such work or tasks include, but are not limited to, assisting an individual who is deaf or hard of hearing to the presence of people or sounds, providing nonviolent protection or rescue work, pulling a wheelchair, assisting an individual during a seizure, alerting an individual to the presence of allergens, retrieving items such as medicine or a telephone, providing physical support and assistance with balance and stability to an individual with a mobility disorder, and helping a person with a psychiatric or neurological disability by preventing or interrupting impulsive or destructive behaviors.

Service animals are permitted when the animal has been registered with the College appointed Disability Service Provider unless it is readily apparent from observation that the animal performs work or tasks related to its handler's disability. When it is not readily apparent what service the animal provides, the student requesting permission to have a service animal on campus must provide a letter from a credible, certified medical provider which: a) substantiates that the animal is required because of a disability and b) describes the work or task that the animal has been trained to perform. The letter must be dated and on letterhead.

Service animals must be well-behaved, clean, leashed and under control of the handler at all times. Service animals may not be left unattended while on campus. Service animals brought to campus must also be in compliance with applicable licensing laws and up to date on immunizations.

Sexual Harassment and Sexual Assault

Sexual harassment and/or sexual assault of employees or students is a violation of state and federal law and a violation of this policy. The related policies may be found on the College's website at https://www.kvcc.me.edu/consumer-info/. Questions regarding the policy should be directed to the Affirmative Action Officer, Dean of Student Affairs, at (207) 453-5019.

Tobacco Policy

Kennebec Valley Community College is a 100% smoke and tobacco — free campus.

The college has a 100% smoke and tobacco-free campus policy that strictly prohibits all smoking and use of tobacco products including cigarettes, electronic smoking devices (i.e. e-cigarettes, e-hookah, vape pen, etc.), smokeless tobacco, snuff, chew, snus, cigars, hookah, and pipes, on Kennebec Valley Community College property, including buildings, parking lots and within privately or publicly owned vehicles on KVCC property, by any staff, students, visitors, contractors, etc.

The sale, advertisement, promotion and/or free distribution of all tobacco products, including electronic smoking devices, and paraphernalia, is prohibited at all times, on campus and at all campus sponsored events, including by any student group or organization.

The intent of this Tobacco Policy is to: eliminate exposure to second and third-hand smoke, provide an environment supportive of tobacco-free lifestyles, eliminate the risk of accidental fire, eliminate the health risks associated with expectoration from smokeless tobacco, and eliminate the environmental impact of cigarette litter.

Definitions and Clarifications

- "Smoking and use of tobacco" is defined as inhaling, exhaling, burning or carrying any lighted, or heated tobacco, or plant product intended for inhalation, whether natural or synthetic, including marijuana. Tobacco products include, but are not limited to: cigarettes, cigars, dip, chew, snuff, snus, hookah, e-cigarettes, vape pens or any other product that emulates tobacco use, not specifically approved by the USFDA for the purpose of cessation or nicotine replacement therapy.
- "Vape products" is defined as, but not limited to nicotine and non-nicotine electronic cigarettes, personal vaporizers, or electronic nicotine delivery systems.
- "Second-hand smoke" is defined as environmental smoke or vapor given off by the process of smoking or use of tobacco that is inhaled involuntarily or passively by someone who is not smoking.
- "Third-hand smoke" is defined as residue and particulate matter remaining in an area where people have been smoking, which remains after a cigarette, cigar or other smoking product has been extinguished. This residue contains toxins that linger in carpets, sofas, clothes, hair, skin and on other surfaces long after smoking has ceased.

The success of this policy will depend upon the courtesy and cooperation of both tobacco users and non-users. Violations of this policy will be handled through the established disciplinary procedures for employees and the Student Code of Conduct for students.

Kennebec Valley Community College (KVCC) joins with the American College Health Association (ACHA) in supporting the findings of the Surgeon General that tobacco use in any form, active and passive, is a significant health hazard. KVCC further recognizes that second-hand smoke has been classified as a Group A carcinogen by the United States Environmental Protection Agency. KVCC acknowledges the Centers for Disease Control and

Prevention (CDC) statistics that 70% of all smokers report that they want to quit smoking completely. Assistance with tobacco cessation for students and employees is available through Student Services and Human Resources.

The following is a list of free, confidential resources available to all people in Maine:

Maine Tobacco HelpLine
Ready to quit? Call the Maine Tobacco HelpLine at 1-800-207-1230.

The Quit Link
http://www.thequitlink.com

The Breathe Easy Coalition of Maine/Maine Tobacco-Free College Network
http://mainetobaccofreecollegenetwork.org/

Somerset Public Health
http://www.somersetpublichealth.org/

Partnership for a Tobacco-Free Maine
http://www.tobaccofreemaine.org/

American Cancer Society
http://www.cancer.org/healthy/stayawayfromtobacco/index

How to Quit (Centers for Disease Control)
http://www.cdc.gov/tobacco/quit_smoking/how_to_quit/index.htm

Firearms/Weapons

To minimize the chance of accidents, injuries or violence on Kennebec Valley Community College (KVCC) campuses, employees, students, and guests are not permitted to bring any weapons onto any KVCC property. In addition, possession of any firearm on KVCC property is a direct violation of the Maine Community College System (MCCS) policy section 803 as well as Maine State Law [Title 20-A M.R.S. § 10009]

For the purposes of this policy, the following terms are defined as such:

- Firearm is defined as any weapon, whether loaded or unloaded, which is designed to expel a projectile by the action of an explosive and includes any such weapon commonly referred to as a pistol, handgun, revolver, rifle, gun, semi-automatic gun, machine gun, shotgun or any other weapon that can be made into a firearm by inserting a firing pin, or other similar thing or by repair.
- Possession is defined as ownership, care, custody or control, whether concealed or in plain view.
- Property" is defined as all colleges, campuses, off-campus centers, buildings, parking lots and all other grounds owned, operated or occupied by any entity of KVCC.
- Weapon is defined as any item or combination of items or instrument used for offensive or defensive combat or other means of contending against another individual or individuals.

This policy serves to abate any intended or unintended harm to any person on KVCC properties.

Vehicle Parking

Any student who uses an automobile must register that vehicle in the online ***MyKV Portal*** and obtain a vehicle decal at the Enrollment Services Center on either campus or Campus Safety & Security Office. The decal is valid for two (2) years and must be displayed on the lower passenger side of your front windshield. An annual charge of $50.00 is charged; twenty-five ($25) dollars per semester. There is no charge for the summer session. The cost for additional decals for vehicles is one ($1) dollar.

The College reserves the right to revoke parking privileges. Improper parking of vehicles in restricted areas (handicapped spaces, fire lanes and undesignated areas) is prohibited. Parking tickets will be issued for violations and fines will be assessed to student accounts.

WORKFORCE TRAINING & PROFESSIONAL DEVELOPMENT

Workforce Training & Professional Development at Kennebec Valley Community College provides professional development training programs, as well as customized business training programs. The professional development schedule, which runs classes throughout the year, provides opportunities to earn certificates, CEU's or simply gain new knowledge. The Workforce Training team works closely with area businesses who are in need of employee training to identify skills and knowledge that would improve productivity and employee retention and works with industry experts to deliver the designed training plan.

PROFESSIONAL DEVELOPMENT

Professional Development courses offer individuals of all ages the opportunity to grow in their positions or retrain for new opportunities. Some professional development courses can be converted to credit for those wishing later to pursue a degree. Professional development classes and workshops are offered at a range of days and times for optimum convenience.

Kennebec Valley Community College's Professional Development Division has an established history in industrial, mechanical, medical, safety, computer, and business training.

Enrichment and personal development classes provide the opportunity to explore interests or hobbies in short courses, lectures, evening or weekend classes in areas such as cooking, home gardening and computers.

CUSTOMIZED TRAINING

KVCC has a long history of partnering with local area businesses to develop successful training programs. Customizable trainings are designed to meet specific employer needs to grow and/or retrain existing workforces.

KVCC identifies specialized instructors and works to create programs that train in areas such as customer service, time management, and conflict resolution. The College can also address more specific and technical areas exclusive to industry needs. We have created training packages for Backyard Farms, Mid-State Machine, Sappi North America, State of Maine, MaineGeneral Medical Center, Northern Pride Communications and have also created training programs in areas such as welding, tomato production, heavy equipment, cell phone tower technicians, electrical code update and rigging. Classes can be offered on the KVCC campus or at the company worksite to best meet training needs.

CUSTOMIZED TRAINING RESOURCES

Maine Quality Center

The Maine Quality Centers (MQC) provides customized workforce training grants for Maine employers seeking to locate or expand their operations in Maine and who may need support with recruitment and training or new employees or providing training to incumbent workers.

KVCC's Institute for Workforce Training and Professional Development has partnered with area businesses to secure Maine Quality Center grants. We are proud to deliver customized training opportunities to dozens of businesses and hundreds of employees.

A Maine Quality Center grant offers:

- grants to help cover the cost of customized training for workers or recruits;
- incumbent worker training;
- recruitment assistance—advertising and screening;
- pre-hire training for potential hires;
- post-hire training for new hires;
- targeted training for industry certifications;
- customized training, consultation, and curriculum;
- flexible scheduling; days, evenings, weekends;
- classes delivered at your worksite or on campus

For additional information, contact the workforce team at (207) 453-5083 or email workforce@kvcc.me.edu

A listing of training opportunities available may be found on the College's website.

ACADEMIC PROGRAMS

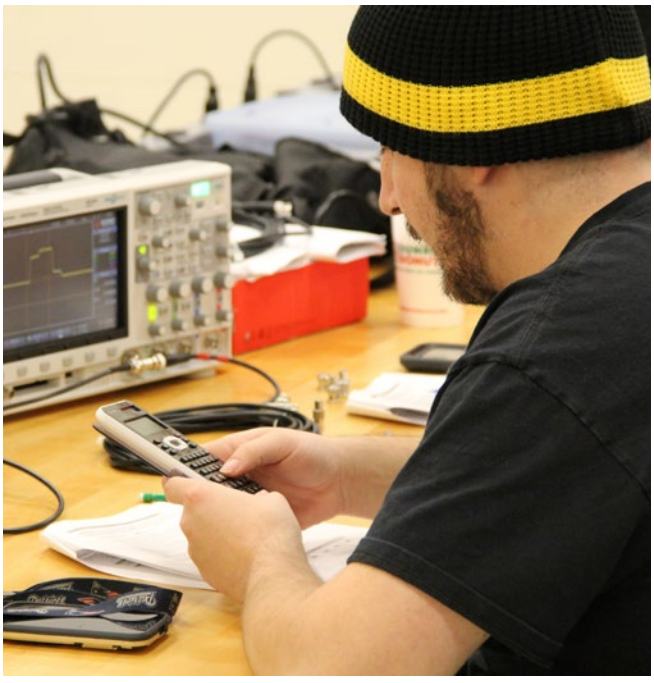
APPLIED ELECTRONICS & COMPUTER TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Learn to install, maintain, and troubleshoot electronics and computer- based equipment

The Applied Electronics and Computer Technology (AECT) program at KVCC prepares students with the technical knowledge and needed skills for careers in the installation, maintenance, support, and troubleshooting of electronic equipment, communication systems, computers, and computer networks. The AECT program emphasizes hands-on learning using the latest training equipment, innovative teaching techniques, and highly trained faculty members. The primary goal of the program is to ensure that each student is well prepared for entry into a technology-driven work force.

"Enrolling in the Applied Electronics and Computer Technology program at KVCC was an incredible experience for me. The instructors taught me to use high-tech electronic equipment and computers in real-world scenarios."



What Applied Electronics and Computer Technology graduates do:

- Troubleshoot and support computer systems
- Troubleshoot and support computer networks
- Provide technical support for computer system end users
- Install and certify copper and fiber-optic network cabling
- Maintain, troubleshoot, and calibrate bio-medical electronic equipment
- Maintain wireless communication systems
- Troubleshoot and repair electronic components and systems
- Work with electrical engineers

Career Opportunities:

- Computer support technician
- Network support technician
- Electronics technician
- Field support service technician
- Bio-medical electronics technician
- Communication system technician
- Cellular phone system technician
- Marine electronics technician
- Engineering technician

For further questions about this program, please contact:
aect@kvcc.me.edu or go to: www.kvcc.me.edu/aect

APPLIED ELECTRONICS AND COMPUTER TECHNOLOGY
DEPARTMENT CHAIR: WILLIAM DOLAN, 207-453-5111

Applied Electronics and Computer Technology Associate in Applied Science Degree

First Semester		
ENG108	Technical Writing	3
ETC110*	Computer Technology Support	3
ETC112*	Information Technology Fundamentals	3
ETC113*	Electrical Circuits I	3
MAT114	Technical Math	3
ETC101	Managing Desktop Applications	1
Second Semester		
ETC114*	Electrical Circuits II	3
ETC119*	Digital Systems W/C	3
ETC125*	Semiconductor Devices	3
ETC250*	Computer Technology Support II	3
MAT214	Technical Math II	3

Third Semester		
COM104	Introduction to Communication or COM105	3
ETC212*	Network Operating System I	3
ETC220*	Microcontrollers W/C	3
ETC225*	Analog Circuits	3
ETC240*	Electronic Communication Systems	3
ETC244*	Robotics Lab	1
Fourth Semester		
ETC213*	Network Operating Systems II	3
ETC241*	Computer Network Systems	3
ETC245*	Networking Applications Lab	1
_____	General Education Elective	3
_____	Social Science Elective	3
_____	Humanities Elective	3
	Total Credits	63

Applied Engineering Technology Associate in Applied Science Degree

First Semester		
COM104	Introduction to Communication or COM105	3
ENG101	College Composition	3
ETC110*	Computer Technology Support I	3
ETC113*	Electrical Circuits I	3
MAT117	College Algebra	4
ETC101	Managing Desktop Applications	1
Second Semester		
ETC114*	Electrical Circuits II	3
ETC119*	Digital Systems W/C	3
ETC125*	Semiconductor Devices	3
ETC250*	Computer Technology Support II	3
MAT 226	Precalculus	4

Third Semester		
ETC220*	Microcontrollers W/C	3
ETC225*	Analog Circuits	3
ETC240*	Electronic Communication Systems	3
ETC244*	Robotics Lab	1
PHY111	Elements of Physics	4
Fourth Semester		
ETC241*	Computer Network Systems	3
ETC245*	Networking Applications Lab	1
PHY211	Elements of Physics II	4
_____	Social Science Elective	3
_____	Humanities Elective	3
	Total Credits	63

Computer Technology Certificate

First Semester		
ETC110*	Computer Technology Support I	3
ETC112*	Information Technology Fundamentals	3
ETC212*	Network Operating Systems I	3
MAT114	Technical Math 1	3
ETC101	Managing Desktop Applications	1

Second Semester		
ENG108	Technical Writing	3
ETC213	Network Operating Systems II	3
ETC241*	Computer Network Systems	3
ETC245*	Networking Applications Lab	1
ETC250*	Computer Technology Support II	3
	Total Credits	26

CRITERIA FOR GRADUATION

Students must successfully complete the required 63 credits in the AECT or the AET program. Students must successfully complete the required 26 credits in the computer certificate program and achieve a minimum grade of "C" in all core courses (*). Students must attain a final GPA of 2.0 or higher.

APPLIED ELECTRONICS AND COMPUTER TECHNOLOGY
APPLIED ENGINEERING TECHNOLOGY
Associate in Applied Science Degrees, Certificate

DESCRIPTION

The Applied Electronics and Computer Technology program at KVCC is designed to prepare students with the technical knowledge and skills needed for careers in the installation, maintenance, troubleshooting, and support of electronic equipment, communication systems, computers, and computer networks.

The AECT program provides fundamental to advanced skills training in analog and digital circuits, programming microcontrollers, electronic communication systems, computers, and computer networks. The program emphasizes hands-on learning using the latest engineering grade training equipment, innovative teaching techniques, and highly trained faculty members.

PROGRAM MISSION

The AECT program's mission is to offer students an applied engineering technology education which will provide the technical knowledge and analytical problem solving skills, through hands-on training, needed for successful professional careers in today's technology driven workforce. The curriculum is rigorous and well balanced in the presentation of theory, applications, and problem solving.

The Applied Engineering Technology (AET) program supports the same mission and core course work as the Applied Electronics and Computer Technology program, yet requires advanced math and physics courses designed for students interested in transferring for a Bachelor of Science degree in Electrical Engineering Technology at the University of Maine through a transfer articulation agreement.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the AECT and AET program, each graduate will be expected to:

1. Practice the technical skills of the electronics, electronic communications, and computer profession in a conscientious, responsible and accountable manner, while recognizing the need of continuing education to expand upon their technical knowledge and skills.
2. Communicate effectively and possess the interpersonal skills necessary for success in an information based society.
3. Utilize critical thinking skills and problem solving techniques to provide support for today's technology driven workforce.
4. Produce prepared Applied Engineering Technology graduates to continue their education towards a B.S. in Electrical Engineering Technology or Computer Engineering Technology.

Both the AECT and the AET programs strive to provide graduates with a foundation for lifelong professional development by the following:

1. To cultivate student ability to adapt to changing workplace technologies.
2. To communicate proficiently.
3. To work effectively in a team environment.

The program maintains high academic standards for teaching and learning through a continuous process of self-evaluation. Students are exposed to a learning environment which is safe and supportive of student growth and achievement.

PROFESSIONAL CERTIFICATIONS

Each student is prepared for and required to take each of the following nationally recognized professional certification exams:

1. CompTIA IT Fundamentals (ITF+)
2. CompTIA A+
3. CompTIA Network+
4. TestOut PC Pro, Performance Certification
5. TestOut Network Pro, Performance Certification
6. TestOut Linux Pro, Performance Certification
7. TestOut Server Pro, Performance Certification
8. ETA Certified Electronics Technician

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

BIOLOGICAL SCIENCE

ASSOCIATE IN SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Study how living things work

Biological Sciences is an exciting and rapidly changing field of study. The study of living things has undergone tremendous expansion in recent years. The Biological Sciences program provides an ideal and flexible path for students to begin their educational journey in this field. The program emphasizes the practical knowledge and skills required for employment and for continuing education in the Biological Sciences.

"For me, KVCC is close to home, and the price is right. I also love the modern labs, and how much hands-on time I have in my biology class."

"I chose KVCC because of the small classes, and the flexible scheduling options. The cost was also very reasonable."

What Biological Science graduates do:

- Collect and process samples
- Perform lab tests
- Collect and analyze data
- Develop and conduct experiments
- Provide technical Assistance
- Maintain lab equipment
- Work in teams

Career Opportunities:

- Biotechnology production facilities
- Quality control and assurance
- Research laboratories
- Government agencies

For further questions about this program, please contact:
bio@kvcc.me.edu or go to: www.kvcc.me.edu/bio

BIOLOGICAL SCIENCE
DEPARTMENT CHAIRS: JAMES GUILLEMETTE, 207-453-3605

Associate in Science Degree

First Semester		
BIO101	Biology I	4
CHE112	General Chemistry I	4
ENG101	College Composition	3
MAT117	College Algebra	3
Second Semester		
BIO102	Biology II	4
CHE115	General Chemistry II	4
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
ENG218	Advanced Academic Writing	3
MAT226	Precalculus	4
Third Semester		
BIO201	Laboratory Techniques	3
BIO234	Introduction to Molecular Biology and Biochemistry	3
PHI110	Contemporary Ethics	3
_____	Humanities Elective	3
MAT227	Calculus	4
Fourth Semester		
BIO219	Microbiology	4
MAT220	Applied Statistics	4
_____	200 Level Science Elective	3-4
_____	Social Science Elective	3
	Total Credits	62-63

CRITERIA FOR GRADUATION

Students must complete 62 credits in the Biological Science degree and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

BIOLOGICAL SCIENCE
Associate in Science Degree, Certificate

DESCRIPTION

The Biological Science AS degree provides students with strong knowledge base in the life sciences additional to the skills relevant to a variety of employment opportunities. Emphasis is placed on the scientific method and critical analysis for students who wish to transfer to a Biology program at a Baccalaureate degree institution. This 60-credit program develops an understanding of biological principles which underlie all living things, instills a sense of inquiry, and sharpens analytical thinking skills.

The Health Science Preparation Certificate program prepares graduates for transfer into a two or four-year health degree program. The certificate program will provide students with a learning community as they prepare for transfer to various health programs. The program is structured to encourage career exploration and provide career guidance opportunities for the students as they prepare to apply to a health degree program.

PROGRAM MISSION

The mission of the Associate in Science in Biological Sciences is to provide a strong foundation in science, mathematics and laboratory skills, preparing the student for transfer to a four-year Biology or health-related degree program. The program prepares students for an entry-level lab technician or other science-related position.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Biological Science degree, the graduate is expected to:

1. Apply methods of scientific inquiry in biology.
2. Demonstrate appropriate laboratory techniques and mastery of basic laboratory skills.
3. Effectively convey, both orally and in writing, a knowledge of biological content, methods, and issues.
4. Locate, critically analyze, interpret, and discuss primary research literature within the biological sciences.
5. Demonstrate critical thinking, problem solving, data gathering and analysis, and interpretation of results to address practical questions in biology With an associate degree in Biology you'll have a head start toward a bachelor's degree in biology.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

BUSINESS ADMINISTRATION

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAMS

Businesses and well-trained workers are the lifeblood of any economy. Employees with strong interpersonal and technology skills are in demand now more than ever. The Accounting option's primary focus is to prepare students as paraprofessionals who have a wide array of skills and knowledge in the areas of payroll, accounts payable, accounts receivable, inventory, federal taxation, spreadsheets, and databases. Our Marketing and Management option will allow you to hone your creative leadership abilities, while exploring the latest innovations in the world of business.

Accredited by the Association of Collegiate Business Schools and Programs, 7007 College Boulevard, Suite 240, Overland Park, KS 66211

"When I entered KVCC's Business program, I was not sure what 'business' was even about. Now I want to learn even more. The world is complicated and interesting, and business is everywhere. I plan to get my 4-year degree next, and then I will have the knowledge to open my own business with confidence."

Strategies to promote business

What Business Administration graduates do:

- Manage payroll
- Provide and assist tax services
- Manage and analyze budgets
- Attend four-year institutions
- Assist management in decision-making
- Develop business plans
- Design websites

Career Opportunities:

- Family businesses
- Service and entertainment industries
- Banks
- Manufacturing industries
- Government offices
- Education and training organizations
- Non-profit organizations

For further questions about this program, please contact: bus@kvcc.me.edu or go to: www.kvcc.me.edu/bus

BUSINESS ADMINISTRATION
DEPARTMENT CHAIR: MARJORIE YORK, 207-453-3604

Accounting Option, Associate in Applied Science Degree

First Semester		
ACC111*	Principles of Accounting I	3
BUS116*	Business Law	3
CPT117*	Software Applications I	3
ENG101	College Composition	3
MAT111	Quantitative Reasoning	3
_____	General Education Elective	3
Second Semester		
ACC112*	Principles of Accounting II	3
ACC211*	Spreadsheet Accounting	3
BUS115*	Principles of Management	3
ENG219	Business and Professional Writing	3
MAT225	Math for Business and Economics	3
_____	Humanities Elective	3
Third Semester		
ACC213*	Federal Taxation	3
ACC215*	Cost Accounting	3
ACC217*	Intermediate Accounting I	3
ECO113	Principles of Economics I (Macro)	3
Fourth Semester		
ACC218*	Intermediate Accounting II	3
ACC220*	Principles of Payroll Administration	3
BUS250*	Virtual Office Simulation/ Internship	3
COM104 COM105	Introduction to Communication OR Interpersonal Communication	3
ECO114	Principles of Economics II (Micro)	3
	Total Credits	63

Marketing/Management Option, Associate in Applied Science Degree

First Semester		
ACC111	Principles of Accounting I	3
BUS113*	Marketing	3
BUS116*	Business Law	3
CPT117	Software Applications I	3
ENG101	College Composition	3
MAT111	Quantitative Reasoning	3
Second Semester		
ACC112	Principles of Accounting II	3
BUS115*	Principles of Management	3
BUS119*	Integrated Marketing Communications	3
COM104 COM105	Introduction to Communication OR Interpersonal Communication	3
MAT225	Math for Business and Economics	3
Third Semester		
ACC213	Federal Taxation	3
ECO113	Principles of Economics I (Macro)	3
ECO120*	Investment Planning in Our Society	3
ENG219	Business and Professional Writing	3
_____	Humanities Elective	3
Fourth Semester		
BUS125*	Introduction to E-Commerce	3
BUS218*	The Entrepreneur's Guide to Small Business Management	3
BUS250*	Virtual Office Simulation/Internship	3
ECO114	Principles of Economics II (Micro)	3
_____	General Education Elective	3
	Total Credits	63

CRITERIA FOR GRADUATION

Students must complete 63 credits in the Accounting or Marketing option and achieve a minimum grade of "C" in designated common and program core courses (*). Students must attain a final GPA of 2.0 or higher.

This program is accessible 100% online.

BUSINESS ADMINISTRATION
Associate in Applied Science Degrees

DESCRIPTION

The Accounting option's primary focus is to prepare students as paraprofessionals who have a wide array of skills and knowledge in pursuing a business career. The integration of accounting and tax software provides real world application in the areas of payroll, accounts payable, accounts receivable, inventory, federal taxation, spreadsheets, and databases. All accounting majors will have the opportunity to take the National ACAT exam for accreditation in accounting through the Accreditation Council for Accountancy and Taxation. Study sessions will be available to prepare students for this exam. Students will also have the opportunity to work collaboratively with students from the other Business options in a simulated office environment to include the "Virtual Office" and incorporated internship program.

The Marketing/Management option provides the student with the background necessary to work toward managerial positions in organizations operating in the marketing of a product or in a service capacity. Students will also have the opportunity to work collaboratively with students from the other Business option in a simulated office environment to include the "Virtual Office" and incorporated internship program.

PROGRAM MISSION

The mission of the Business Administration program is to help the student develop marketable business skills while still providing the broader courses necessary to produce an "educated person." Instead of limiting the education to narrow technical training, the Business faculty will help students develop tools to use the rest of their lives.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Accounting option, the graduate is expected to:

1. Be a lifelong learner who stays current in his/her field so as to perform accounting functions according to the Financial Accounting Standards Board and other governing agencies.
2. Be a conscientious professional who practices within the legal and ethical parameters of accounting.
3. Be an effective communicator who is able to listen and respond appropriately while respecting the differences within and between groups in the community.
4. Be a paraprofessional accountant who will have a broad array of skills and knowledge to use effectively in the 21st century.
5. Achieve the nationally recognized credential of Accredited Business Accountant by passing the ACAT exam.

Upon successful completion of the Marketing/Management option, the graduate is expected to:

1. Use communication and interpersonal skills to speak and write clearly, effectively, and persuasively in the world of business and commerce.
2. Use the analytical skills needed to solve problems and make decisions related to the various functions required of an individual working in the field of marketing and management.
3. As a member of the business community, recognize and respect cultural, ethnic, and intellectual diversity.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

CAREER STUDIES

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAM

Count your life experience to fast-track toward a degree

The Career Studies program is a highly individualized program of study that takes into account all the life experience that a person has had in the work world. Students can earn up to 24-credit hours by showcasing previous experiences through a Prior Learning portfolio which connects past work to college course outcomes. Students build a portfolio that documents their experience and how it aligns with the outcomes of college courses. Students then take other classes to complete the degree.

"My career was sort of stuck since I did not have a college degree. When I learned about the Career Studies degree, I had to check it out. It took me half as long to finish thanks to the program. Now I can be promoted at my company and become a supervisor."

"The biggest problem I face in my company is not having workers whose skills are matched by their credentials. We need both the skills and credentials that certify professional level."

What Career Studies graduates do:

- Continue studies at universities
- Write reports
- Manage people in companies
- Investigate problems
- Receive promotions in their current jobs
- Gather information and data

Career Opportunities:

- Military service
- Small companies
- Police departments
- Family businesses
- Public schools
- Criminal justice entities
- Service industries
- Corrections

For further questions about this program, please contact:
car@kvcc.me.edu or go to: www.kvcc.me.edu/car

CAREER STUDIES
DEPARTMENT CHAIR: MICHAEL TARDIFF, 207-453-5002

Associate in Applied Science Degree

The Career Studies program is a customizable program. Advising is essential for assistance with Prior Learning Assessment of work or training experiences and progression through this program. The Department Chair is the assigned advisor for students in this program and will work with students to create an academic plan.

The Chart below indicates minimum credit requirements in the three (3) blocks. Credits may increase based on exact course selections as some courses carry more credit value.

Students may use this sheet to list courses and track progress.

Career/Vocational Technical Courses

_____ 3
_____ 3
_____ 3
_____ 3
_____ 3
_____ 3

18-24 credits required

General Education Courses

Humanities and/or Social Sciences

_____ 3
_____ 3
_____ 3
_____ 3

12 credits required

Math/Business/Science

_____ 3
_____ 3
_____ 3

9 credits required

Electives

Selection of courses in consultation with Academic Advisor:

_____ 3
_____ 3
_____ 3
_____ 3
_____ 3
_____ 3
_____ 3
_____ 3

24 credits required

Total Credits 63 credits (minimum)

This program is accessible 100% online.

DESCRIPTION

The purpose of the Associate in Applied Science Degree in Career Studies is to provide highly individualized and flexible programming to meet the needs of students with significant work and learning experiences whose educational and/or occupational goals cannot be met by the other programs of the College.

PROGRAM MISSION

The mission of Career Studies is to provide flexible curriculum for students who have unique career goals that cannot be met by other academic programs. Students will have significant career experience that can be documented through "prior learning" assessments.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

The objectives of the Career Studies Program include:

1. Recognizing significant work and/or learning experiences in a broad range of technical, business and specialized career skills.
2. Enhancing educational opportunities for those students who already possess a significant basis of skill and/or learning.
3. Assisting individuals to advance in their chosen occupations.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

CULINARY ARTS

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

The art of cooking farm-fresh foods

Great cuisine starts with high quality, nutritious, and flavorful ingredients. It begins where crops are grown, animals are raised, and wild foods harvested. KVCC's Culinary Arts program strongly connects good agriculture and sustainable practices to what happens in the kitchen.

"The Culinary Arts Program at KVCC has made an amazing impact on my life. Chefs Enjaian and Reale are knowledgeable and experienced in their craft and it was an absolute pleasure to work with and learn from them. I would definitely recommend Culinary Arts to anyone who wants to learn how to cook."

What Culinary Arts graduates do:

- Prepare meals
- Demonstrate knife skills
- Prepare hors d'oeuvres
- Manage kitchen work flow
- Manage front of the house operations
- Sustain vendor relationships
- Work in teams

Career Opportunities:

- Restaurants
- Hotels
- Cruise ships
- Bakeries
- Catering
- Hospital food service
- Resorts

For further questions about this program, please contact:
cul@kvcc.me.edu or go to: www.kvcc.me.edu/cul

CULINARY ARTS
DEPARTMENT CHAIR: STEPHANIE ENJAIAN, 207-453-3681

Associate in Applied Science Degree

First Semester		
CUL101	Introduction to Culinary Arts	2
CUL111	Food Safety and Sanitation	2
CUL121	Culinary Arts I	5
ENG108	Technical Writing	3
MAT111	Quantitative Reasoning	3
Second Semester		
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
CUL122	Culinary Arts II	5
CUL124	Baking and Pastry I	5
CUL132	Food and Beverage Purchasing	3
Third Semester		
CUL131	Culinary Nutrition	2
CUL205	American Regional Cuisine	4
CUL231	Classical Cuisine	5
FSN121	Sustainable Food Systems	3
Fourth Semester		
CUL232	International Cuisine	5
CUL242	Food Service Management	3
_____	Culinary, Business, Food Science, or Nutrition Elective	3
_____	Humanities Elective	3
_____	Social Sciences Elective	3
	Total Credits	62

Cooking Skills Certificate

CUL101	Intro Culinary Arts	2
CUL111	Food Safety and Sanitation	2
CUL121	Culinary Arts I	5
CUL122	Culinary Arts II	5
CUL124	Baking and Pastry I	5
	Total Credits	19

CRITERIA FOR GRADUATION

Students must complete 62 credits in the Culinary Arts degree or 19 credits in the Cooking Skills certificate and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

CULINARY ARTS
Associate in Applied Science Degree, Certificate

DESCRIPTION

The Culinary Arts AAS degree is an innovative program that will include a farm-to-table focus. The two-year curriculum will include basic and advanced food preparation techniques, nutrition, menu planning, kitchen sanitation and safety, food purchasing and storage, and meal serving. Graduates of this program will have an in-depth knowledge of a sustainable food system, including where the food comes from, the advantages of buying locally, various farming and production methods, and the value of sustainable and ethical ingredients.

The Cooking Skills certificate is designed to build a core of foundational skills that will allow the individual to enter the food service industry. The intensive hands-on coursework is perfect for an individual interested in job-retraining or for food service workers interested in developing their job skills in the culinary field. Graduates are prepared for employment as cooks, cooks' helpers, and assistant bakers in restaurants or institutions where operations include food service.

PROGRAM MISSION

The mission of the Culinary Arts degree program is to prepare graduates for successful entry into the food service industry as competent cooks.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Cooking Skills certificate, the graduate is expected to:

1. Demonstrate the foundational skills required to work in a professional kitchen as a cook or cook's assistant.
2. Apply the concepts and techniques of sanitation to a food service environment.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.


Welcome to
DISCOVERY PLAYGROUP
Watch to see how your
Child uses his/her
body on the playground

EARLY CHILDHOOD EDUCATION

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAM

Prepare young children for a successful future

Early Childhood Education is critical to child success in the classroom and other early care settings as it impacts lifelong achievement. Through partnerships with families, reflective practice and evidence-based knowledge, students will graduate prepared to work with today's children and families. The program curriculum emphasizes Developmentally Appropriate Practice and standards established by the National Association for the Education of Young Children. Courses are offered in a variety of formats (in-person, hybrid, asynchronous online) to meet diverse student needs.

"I couldn't ask for a better life lesson than to be in the classroom learning and teaching beside a teacher with over ten years of experience.

The Early Childhood Education program has been a life changing experience. The support of the Education staff has made my dream of being a teacher an achievable goal."

What Early Childhood Education graduates do:

- Exhibit proficiency of the NAEYC Professional Standards and Key Competencies
- Demonstrate ethical behavior set by the NAEYC
- Partner with families to ensure childhood success
- Observe and assess child skills and development
- Exercise intentional interactions with children and families to connect and foster development in all developmental domains for children ages birth to 8.
- Use reflective practice to improve upon teaching strategies and promote lifelong learning

Career Opportunities:

- Preschools and childcare centers
- Developmental therapy centers
- After-school programs
- Elementary schools
- Family and small businesses
- Head Start programs

For further questions about this program, please contact:
ece@kvcc.me.edu or go to: www.kvcc.me.edu/ece

EARLY CHILDHOOD EDUCATION
DEPARTMENT CHAIR: JESSICA PINKHAM, 207-453-3602

Associate in Applied Science Degree

First Semester		
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
ECE131*	Intro to Early Childhood Education	3
ECE132*	Early Lang & Lit Development	3
ECE136*	Intro to Field Placement	1
ENG101	College Composition	3
PSY101	Introduction to Psychology	3
Second Semester		
ECE152*	Children's Literature	3
ECE140*	Fostering Growth and Development: Infants and Toddlers	3
ECE156*	Field Experience I - The Use of Observation in the Field	4
MAT112	Foundation of Math for Teachers	3
SOC101	Introduction to Sociology	3
Third Semester		
ECE145*	Fostering Growth and Development: Preschool and Primary Ages	3
ECE158*	Including Children with Special Needs in Early Childhood Settings	3
ECE200*	Field Experience II - Partnerships in Early Childhood	4
PSY215	Developmental Psychology	3
_____	Humanities Elective	3
Fourth Semester		
ECE210*	Classroom Management	3
ECE215*	Weaving in STEAM Education	3
ECE250*	Field Experience III - A Focus on Families and Professional Development	6
_____	Lab Science Elective	4
	Total Credits	64

CRITERIA FOR GRADUATION

Students must complete 64 credits in the Early Childhood Education program and achieve a minimum grade of "C" in all core courses (*); students must attain a final GPA of 2.0 or higher.

This program is accessible 100% online.

EARLY CHILDHOOD EDUCATION
Associate in Applied Science Degree

DESCRIPTION

The objective of the Early Childhood Education program is to prepare students to provide developmentally appropriate services for young children in public and private institutions and agencies, such as Head Start, child care centers, schools, or family child care homes.

PROGRAM MISSION

The Early Childhood Education Program at Kennebec Valley Community College subscribes to the philosophy that each child must be given the opportunity to experience success and to achieve excellence by performing at one's personal best. This philosophy is based on the premise that young children and learners with special needs must have engaging and challenging learning experiences that will assure them of the opportunity to lead rewarding lives within the school environment as they grow toward becoming well-adjusted, contributing members of their communities.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

The primary goal of the Education Program is to prepare a skilled and knowledgeable workforce for young children. By supplying high quality training, the Education Program can positively influence the lives of children, enabling them to perform at their personal best academically as well as socially. All students are urged to work closely with their Advisor to ensure they meet all prerequisites and are prepared to be successful in their field placements.

Upon completion of the Early Childhood Education degree:

1. All students will demonstrate professional and ethical behaviors with children, colleagues, and families in early childhood settings grounded in the history, NAEYC Code of Ethics, and generally accepted ongoing evolution of the field.
2. All students will demonstrate with increasing skill, a philosophy of working with young children in a developmentally appropriate manner considering the children's age, individual development and social and cultural context.
3. All students will demonstrate skill in completing observations of children, recording them in an objective manner, and applying the data gathered to planning for typically and atypically developing children.
4. All students will plan and implement environments, lesson plans and curriculum to support young children's development in all domains.
5. All students will identify community resources available to support themselves, children and families for ongoing growth and development.

FIELD PLACEMENT REQUIREMENTS

Field Placements are a key component of the Early Childhood Education Program. Before enrolling in a field placement course, students must have completed other technical courses required.

IMPORTANT NOTE: Students must pass comprehensive background checks, including fingerprinting clearance prior to registering for their first field experience. Additional informational will be provided by the Early Childhood Education department regarding the specific procedures for background checks that align with students' field experience and career plans. Students are responsible for costs associated with background checks. Talk to the Field Placement Coordinator if you require assistance with related costs.

Individual students who have engaged in certain criminal activity could be denied access to gainful employment in their intended field. Field placement sites may also deny access to their site if they have been convicted of certain crimes or substantiated cases found by the Department of Health and Human Services.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

ECE PROGRAM CURRICULUM AND PHILOSOPHY ENCOMPASSES:

- STEAM Standards established by the National Association for the Education of Young Children
- Current trends
- Evidence-based practice
- Developmentally appropriate practice
- Educators as lifelong learners
- A professional obligation to advance equity in early childhood education

Integration of nature, agriculture, STEAM, and wellness into the Early Childhood experience!

ELECTRICAL LINEWORKER TECHNOLOGY

CERTIFICATE PROGRAM

Become a powerline technician to keep the electricity and services flowing

Electrical lineworkers (ELWs) have skills and job opportunities that are very rare in the modern age. At a time when jobs are always changing and becoming obsolete, the electrical lineworker stays stable. When storms arrive, someone needs to repair the electrical distribution system. The work is steady, the wages are solid, and the company culture is loyal. Like police officers, the first priority is returning safely home to one's family. If you believe in safety, stability, loyalty, and toughness, come to KVCC's lineworker program.

"A person needs to love the outdoors to be a lineworker, and I never regretted getting into it.

I make a good living, am part of a company that believes in loyalty, and I have real options to be promoted in the long run. It all started with KVCC."

What Electrical Lineworker Technology graduates do:

- Set electrical/telephone poles
- Observe safety protocols
- Perform cable inspections
- Observe codes and industry standards
- Install and repair electrical lines
- Troubleshoot and install transformers and reclosures
- Inspect transmission and distribution systems and components
- Install and maintain hardware and equipment associated with the electrical power line industry

Career Opportunities:

- Electrical companies (outdoors)
- Line construction firms (outdoors)
- Utilities cooperatives (outdoors)
- Training centers and programs

For further questions about this program, please contact:
lwp@kvcc.me.edu or go to: www.kvcc.me.edu/lwp

ELECTRICAL LINEWORKER TECHNOLOGY
DEPARTMENT CHAIR: ERIC WILLETT, 207-453-3609

Certificate

First Semester		
ELW150*	Lineworker Training I	8
ETL109*	Direct Current Theory	3
MAT114	Technical Math	3
Second Semester		
ELW160*	Lineworker Training II	8
ENG108	Technical Writing	3
ETL110*	Alternating Current Theory	3
	Total Credits	28

CRITERIA FOR GRADUATION

Students must complete 28 credits in the Electrical Lineworker Technology program and achieve a minimum grade of "C" in all core courses (*). Students must attain a final GPA of 2.0 or higher.

ELECTRICAL LINEWORKER TECHNOLOGY
Certificate

DESCRIPTION

The Electrical Lineworker Technology program is a one year Certificate program. The program will provide students with the technical background and the manual skills necessary for careers in the installation and maintenance of electrical power, telephone, and cable television systems. Safety, pole climbing, and teamwork are emphasized throughout the program while the student learns and performs overhead and underground construction.

Students will be exposed to such curriculum topics as AC/DC electrical theory, field training, occupational safety, line construction theory, tree trimming and line clearance, rigging, transformers, basic telecommunications, and utility metering. Approximately two-thirds of the program will be devoted to strenuous hands-on skills, allowing students to develop a high degree of proficiency in the use of electrical lineworking equipment and procedures.

Students are required to have a valid Class B Commercial Driver's License (CDL) permit. License is not required, but strongly encouraged. Climbing gear and all necessary tools for the field portion of the program are also required; the climbing gear and tools range in price from $1,000 to $1,200. In addition, students are required to have lineworker safety toe boots with steel shanks; these boots range from $200 to $300.

PROGRAM MISSION

The Electrical Lineworker Technology Program strives to maintain a high academic standard for teaching and learning lineworker technology through a continuous process of self-assessment and improvement. Students are exposed to a learning environment that is safe and supportive of student growth and achievement. Using modern training equipment, innovative training methods and highly trained faculty members, the ELT program endeavors to fully prepare students for a variety of line occupations.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Electrical Lineworker Technology program, the graduate is expected to:

1. Practice the electrical and telecommunications skills of the profession in a conscientious, responsible, and accountable manner while recognizing the need to continue to expand their technical knowledge and skills.
2. Safely climb poles and operate line bucket trucks and pole setting equipment when performing overhead line construction.
3. Use critical thinking skills and problem solving techniques, along with acquired analytical skills, to solve problems encountered in residential, commercial, or industrial field situations.
4. Work as part of a team when performing the tasks associated with electrical line work.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog. In addition to these guidelines, applicants must have a CDL (Commercial Driver's License) permit for admission to this program.

ELECTRICAL TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Become an electrician and be current in your field

The Electrical Technology program trains students with the technical background and manual skills necessary for careers in the installation and maintenance of various modern residential, commercial, and industrial electrical systems. All State of Maine Journeyman electrical licensing educational requirements are met or exceeded in this program.

"The Electrical Technology program at KVCC is one of the best in the State. With a great student/instructor ratio there is a lot of hands-on instruction.The instructors are very knowledgeable and have many years of experience."

What Electronical Technology graduates do:

- Install wiring
- Troubleshoot electrical problems
- Install service panels
- Connect equipment
- Install electrical devices
- Read blueprints
- Calculate volts, amps, and watts
- Work in teams or alone

Career Opportunities:

- Educational facilities
- Small businesses
- Industrial plants
- Hospital facilities
- Commercial and industrial construction
- Residential construction

For further questions about this program, please contact:
elec@kvcc.me.edu or go to: www.kvcc.me.edu/elec

ELECTRICAL TECHNOLOGY
DEPARTMENT CHAIR: SKIP DAVIS, 207-453-5112

Associate in Applied Science Degree

First Semester			*Third Semester*		
BPT125*	Construction Print Reading	3	COM104	Introduction to Communication OR	
ENG108	Technical Writing	3	COM105	Interpersonal Communication	3
ETL113*	Electrical Circuits I	3	ETL215*	National Electrical Code	3
ETL121*	Electrical Wiring Practices I	5	ETL221*	Industrial Control Systems	3
MAT114	Technical Math	3	_____	General Education Elective	3
			_____	Humanities Elective	3
Second Semester			*Fourth Semester*		
ETL114*	Electrical Circuits II	3	ETL122*	Electrical Wiring Practices II	5
ETL120*	Rotating Machines and Transformers	3	ETL216*	Advanced National Electrical Code	3
ETL124*	Fundamentals of Electronics	3	ETL222*	Introduction to Instrumentation	3
ETL127*	Electrical Motor Control	3	ETL225*	Photovoltaic & Small Wind Electrical Systems	3
MAT214	Technical Math II	3	_____	Social Science Elective	3
				Total Credits	64

Students working in the field doing electrical installations as a helper electrician may be able to get lab credit for ETL121 and ETL122. This would mean that they would only need to attend the lecture portion of the course. The course instructor(s) will determine if lab credit is available.

Students who are graduates of a two-year electrical program at a secondary career and technical center may qualify for credit for ETL121 and will not need to take this course. See program faculty for more information.

CRITERIA FOR GRADUATION

Students must complete 64 credits in the Electrical Technology degree program or 34 credits in the certificate program and achieve a minimum grade of "C" in all core courses (*). Students must attain a final GPA of 2.0 or higher.

ELECTRICAL TECHNOLOGY
Associate in Applied Science Degree, Certificate

DESCRIPTION

The Electrical Technology (ET) program prepares students for entry level positions in the electrical field. The ET program offers both an Associate in Applied Science (AAS) degree and a Certificate option. The AAS track is designed to be completed on a full-time basis. The Certificate track is designed to be completed on a part-time basis. Part-time students may take classes during the day or evening if seats are available and the proper prerequisites have been met. Graduates from this program will be skilled in the installation and maintenance of various residential, commercial, and industrial electrical systems. All State of Maine electrical licensing educational requirements are met or exceeded in this program. Students are required to have the tools and equipment necessary to properly complete the hands-on portion of the program. The required tools and equipment cost will be in the range of $300-600.

PROGRAM MISSION

The Electrical Technology program provides graduates with the technical background and the manual skills necessary for careers in the installation and maintenance of modern electrical systems, electrical equipment, and electrical controls. Graduates are critical thinkers and are able to troubleshoot problems in residential, commercial, or industrial electrical environments. The program provides students with the ability to communicate effectively using standard methods of communication. Recognizing the need for lifelong learning, the ET program helps students achieve various professional and personal goals that may arise over a lifetime, including the opportunity for transfer to other college and university technical programs.

The program strives to maintain a high academic standard for teaching and learning through a continuous process of self-assessment and improvement. Students are exposed to a learning environment that is safe and supportive of student growth and achievement. Using modern training equipment, innovative teaching methods and highly trained faculty members, the ET program endeavors to fully prepare students for a variety of electrical occupations.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Electrical Technology program, graduates are expected to:

1. Practice the electrical skills of the profession in a conscientious, responsible, and accountable manner while recognizing the need to continue to expand their technical knowledge and skills.
2. Communicate effectively and listen and respond appropriately to a variety of residential, commercial and industrial electrical situations.

Think critically and use their acquired analytical skills to solve problems encountered in a residential, commercial or industrial electrical environment.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

EMERGENCY MEDICAL SERVICES

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Pre-Hospital Emergency Care

People's lives often depend on the quick reaction and competent care of Emergency Medical Technicians (EMTs) and Paramedics. They determine the nature and extent of illness or injury and establish priorities for patient care. Emergency Medical Services establishes the educational path to rewarding careers for Maine Licensed EMT and EMT-Paramedics. The Emergency Medical Services program include a progression through two Certificate programs. These include: Advanced EMT Certificate and the Paramedic Certificate. Students may also pursue the Associates Degree in Applied Science.

The Kennebec Valley Community College Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

"I knew that I wanted to help people, but nothing in healthcare seemed like the right fit for me. Then I discovered the path to becoming a Paramedic, and everything fell into place."

What Emergency Medical Services graduates do:

- Cardiopulmonary resuscitation
- Cardioversion
- Aid in childbirth
- EKG monitoring
- Administer medications
- IV therapy

Career Opportunities:

- Air ambulance services
- Private ambulance services
- Law enforcement agencies
- Fire departments
- Hospitals
- Clinics

For further questions about this program, please contact:
ems@kvcc.me.edu or go to: www.kvcc.me.edu/ems

EMERGENCY MEDICAL SERVICES
PROGRAM COORDINATOR: STEPHANIE CORDWELL, 207-453-5025

Advanced EMT Certificate

First Semester

EMS113*	Fundamentals of EMS	3
*EMS117**	Cardiac/Respiratory Emergencies	*3*

Second Semester

EMS115*	Advanced EMT Clinical Preceptorship and Field Internship	4
EMS119*	Advanced EMT Skills Seminar	2
	Total Credits	12

A student must be licensable for the AEMT National Registry.

Paramedic Certificate

First Semester

EMS208*	Advanced Emergency Cardiovascular Care	4
EMS209*	Paramedic Emergencies I	3
EMS215*	Paramedic Clinical Preceptorship and Field Internship I	3

Second Semester

EMS218*	Paramedic Emergencies II	4
EMS219*	Emergency Care Across the Lifespan	3
EMS225*	Paramedic Clinical Preceptorship and Field Internship II	3

Third Semester

EMS228*	Paramedic Emergencies III	3
EMS229*	Paramedic Skills Seminar	2
EMS235*	Paramedic Clinical Preceptorship and Field Internship III	3
	Total Credits	28

Associate in Applied Science Degree

In addition to the 40 credits earned in the Advanced EMT and Paramedic Certificates, students will complete the following to earn the AAS Degree with a total of 69 credits.

BIO213	Anatomy and Physiology I	4	_____	Communications Elective	3
BIO214	Anatomy and Physiology II	4	_____	General Education Elective	3
ENG101	College Composition	3	_____	Humanities Elective	3
MAT111	Quantitative Reasoning	3	_____	Social Sciences Elective	3
PSY101	Introduction to Psychology	3		Total Credits	29

CRITERIA FOR GRADUATION

* Students in the Advanced EMT Certificate and the Paramedic Certificate are expected to pass all courses with a "B- " or better. All general education courses in the Associate's Degree program are expected to be passed with a "C" or better.

EMERGENCY MEDICAL SERVICES
Associate in Applied Science Degree and Certificates

DESCRIPTION

The Emergency Medical Services Program is a multiple entrance/multiple exit program. It allows students to exit at the end of each certificate and upon successful completion of all degree requirements. Students will be eligible for Maine State licensure and national certification at the Advanced EMT level upon successful completion of the Advanced EMT Certificate, and Paramedic level upon successful completion of the Paramedic Certificate. Students who complete the prescribed general education requirements will receive the Associate in Applied Science degree.

The program is designed to provide the graduate with knowledge, skills, and behaviors to deliver emergency care safely and competently at all levels.

PROGRAM MISSION

The mission of the Emergency Medical Services Program at Kennebec Valley Community College is to educate and train Advanced EMT and Paramedic level Emergency Care Providers who will deliver appropriate and quality pre-hospital care. The program is committed to providing students with a foundation of knowledge, skills, and behaviors that will provide employment opportunities and form a foundation for lifelong learning.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Associate in Applied Science degree, the graduate is expected to:

1. Be eligible for the appropriate level of professional credentialing.
2. Behave ethically with tolerance and respect for cultural and ethnic diversity in patients, family members, and fellow health care providers.
3. Demonstrate effective communication skills with patients, family, and coworkers.
4. Demonstrate the critical thinking ability necessary for problem solving and differential diagnosis in emergency medicine.
5. Maintain professional knowledge, skills, and behaviors through lifelong learning.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site the College will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense (s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established

infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Finger Printing Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associate with securing finger prints.

Exposure to Latex Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Drug Testing Drug testing may be a requirement of clinical/fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

The Kennebec Valley Community College Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

To contact CAAHEP:

Commission on Accreditation of Allied Health Education Programs
25400 U.S. Highway 19 North, Suite 158
Clearwater, FL 33763
www.caahep.org

To contact COAEMSP:

8301 Lakeview Parkway, Suite 111-312
Rowlett TX 75088
(214) 703-8445
FAX (214) 703-8992
www.coaemsp.org

GENERAL STUDIES

ASSOCIATE IN ARTS DEGREE PROGRAM

This customized degree program will provide the opportunity to explore career options

The Associate in Arts Degree in General Studies is the perfect choice for students hoping to explore different career options. The combination of general education courses in Math, Communications, Social Sciences, Humanities, and Science with additional credit hours selected from an advising pathway provides a unique way to create a personalized program of study and prepare to continue your path toward a Bachelor's Degree at a 4-year college.

"When I started at KVCC, I had no idea where I was headed. As a General Studies student, I explored several career pathways and created the perfect program with my advisor for me!"

"As a General Studies student, I was able to create a program that worked for me and take classes that would transfer to a 4-year program."

What General Studies graduates do:

- Transfer to 4-year colleges and universities
- Enter the workforce in both the public and private sectors

Career Opportunities:

- Nonprofit organizations
- Education
- Small and large businesses
- Local, state, and federal offices
- Social service agencies
- Hospitality
- Communications
- Technology
- Engineering
- Sales

For further questions about this program, please contact:
gs@kvcc.me.edu or go to: www.kvcc.me.edu/gs

GENERAL STUDIES
DEPARTMENT CHAIR: MICHAEL TARDIFF, 207-453-5002

Associate in Arts Degree

General Education Courses

English Writing	3
Communication	3
Math/Science	6-7
Arts/Humanities/Social Sciences	6
General Education Elective	3
	21-22 credits required

General Education Electives (select four courses from at least two of the following areas)

Communication	3
Math/Science	3-4
Humanities	3
Social Sciences	3
	12 credits required

Advising Pathway	27 credits required
Total Credits	60/61 credits

Twenty-seven (27) additional credits selected with your advisor create this pathway to developing further knowledge.

This program is accessible 100% online.

GENERAL STUDIES
Associate in Arts Degree

DESCRIPTION

The Associate in Arts Degree in General Studies is designed for students who are interested in exploring different program or who are interested in the flexibility to create a customized core of courses including Communications, Humanities, Social Sciences, Mathematics and Science. This program provides the opportunity to enhance workplace skills and to further develop academic, occupational and personal aspirations.

Students work closely with an academic advisor to plan a course of study that meets their goals.

PROGRAM MISSION

The mission of the General Studies program is to provide students with the opportunity to create a customized, interdisciplinary degree program for which no other major at KV exists. The program supports students' academic, professional, and personal aspirations by providing individualized support and personalized academic advising. To meet these goals, students receive individualized advising and guidance through their degree.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the General Studies program, the graduate is expected to:

1. Communicate clearly and effectively employ written and oral skills;
2. Access, analyze, summarize and interpret a variety of reading materials;

3. Think critically and link concepts across a variety of disciplines;
4. Conceptualize society as being culturally diverse within a global community;
5. Evaluate personal values, interests and education/career goals;
6. Demonstrate a clear connection among elective choices and their personal, occupational or academic ambitions.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

HEALTH INFORMATION MANAGEMENT

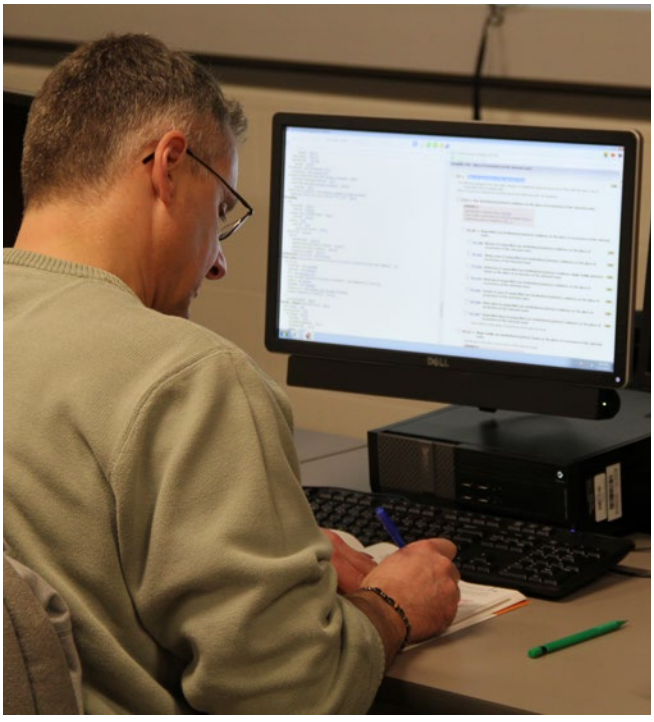
ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAM

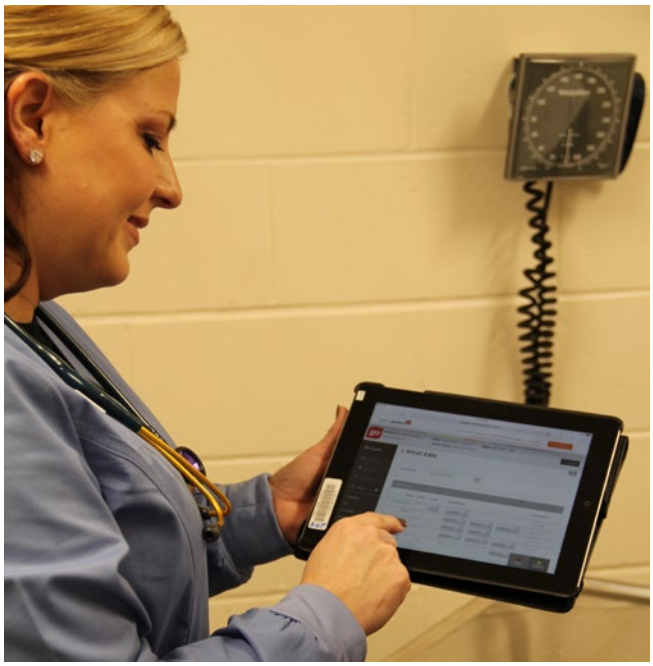
Where information, technology, and medicine meet

Health Information Technicians (HITs) care for patients by caring for their medical data. They manage health care records and code medical/surgical information for insurance reimbursement and research in hospitals and other healthcare facilities. HIM professionals ensure the quality of medical records by verifying their accuracy and properly entering data into computer systems.

Accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), Accreditation Services c/o AHIMA, 233 N. Michigan Ave, 21st Floor, Chicago, IL 60601-5800, *cahiim.org*

"I really enjoyed the flexibility of this program. I was able to take a few classes at a time until I finished. That flexibility allowed me to continue working while moving forward in getting my degree."





What Health Information Management graduates do:

- Manage health information systems
- Manage health care data
- Investigate information and coding problems
- Gather information/data
- Store and retrieve health information
- Enter medical code data
- Observe ICD-10 compliance

Career Opportunities:

- Consulting firms
- Legal offices
- Health departments
- Government agencies
- Pharmaceutical companies
- Physicians' offices
- Hospitals/clinics
- Software companies

For further questions about this program, please contact:
him@kvcc.me.edu or go to: www.kvcc.me.edu/him

HEALTH INFORMATION MANAGEMENT
DEPARTMENT CHAIR: RHONDA HARVEY, 207-453-5156

Associate in Applied Science Degree

First Semester		
BIO213	Anatomy and Physiology I	4
CPT117	Software Applications I	3
ENG101	College Composition	3
HIT101	Intro. to Health Information Technology	3
MAS102	Medical Terminology	3
MAT111	Quantitative Reasoning	3
Second Semester		
BIO214	Anatomy and Physiology II	4
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
HIT132	Legal, Ethical, and Regulatory Issues	3
HIT136	Introduction to Coding & Classification	3
HIT138	Revenue Cycle and Reimbursement Systems	3
Third Semester		
BIO216	Pathophysiology	3
HIT201	ICD-10-CM/PCS Coding & Classification Systems	4
HIT210	Management Concepts for Health Care Orgs.	3
HIT211	Health Data Collection	3
HIT212	Quality Improvement	3
Fourth Semester		
HIT222	CPT-4 Coding	4
HIT243	Directed Clinical Practice	4
HIT245	Seminar in Health Information Tech.	3
PSY101	Introduction to Psychology	3
_____	Fine Arts/Humanities/Social Sciences Elective	3
	Total Credits	68

CRITERIA FOR GRADUATION

Students must complete 68 credits in the Health Information Management degree program and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher. Graduates are eligible to sit for the Registered Health Information Technician (RHIT) credentialing examination administered by the American Health Information Management Association.

This program is accessible 100% online.

HEALTH INFORMATION MANAGEMENT
Associate in Applied Science Degree, Certificate

DESCRIPTION

Health Information Management combines the expanding arena of health care with the cutting edge of technology. As a health information management professional, you are the expert on patient data that physicians, nurses, and other allied health providers rely on to perform their jobs. Registered Health Information Technicians (RHIT) ensure the quality of medical records by verifying their completeness, accuracy, and proper entry into computer systems. They may also use computer applications to assemble and analyze patient data for the purpose of improving patient care or controlling costs. RHITs often specialize in coding diagnoses and procedures in patient records for reimbursement and research.

PROGRAM MISSION

The mission of the Health Information Management (HIM) program at KVCC is to provide the necessary educational opportunities to prepare students for certification and practice as Registered Health Information Technicians (RHIT). Health Information Management is an evolving profession in the health care environment. The HIM program takes the responsibility to educate and develop a skilled work force to support the needs of the health care industry. The HIM professional is a specialist in administering information systems, managing medical records, and coding information for reimbursement and research. With the combined efforts of clinical affiliations, the HIM program offers an opportunity for students to develop the necessary skills, knowledge, and attitudes to attain an AAS degree and eligibility for the RHIT credential.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Health Information Management program, the graduate is expected to:

1. Comply with the professional code of ethics of AHIMA and maintain effective professional conduct at all times.
2. Be prepared for certification for the RHIT credential.
3. Demonstrate the entry level skills as outlined in the Domains, Subdomains, and Tasks of AHIMA.
4. Demonstrate clear and effective communication skills, critical thinking, and problem solving within their scope of practice.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site, the College will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense(s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established

infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Finger Printing

Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associated with securing finger prints.

Exposure to Latex

Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs

Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Drug Testing

Drug testing may be a requirement of clinical/fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

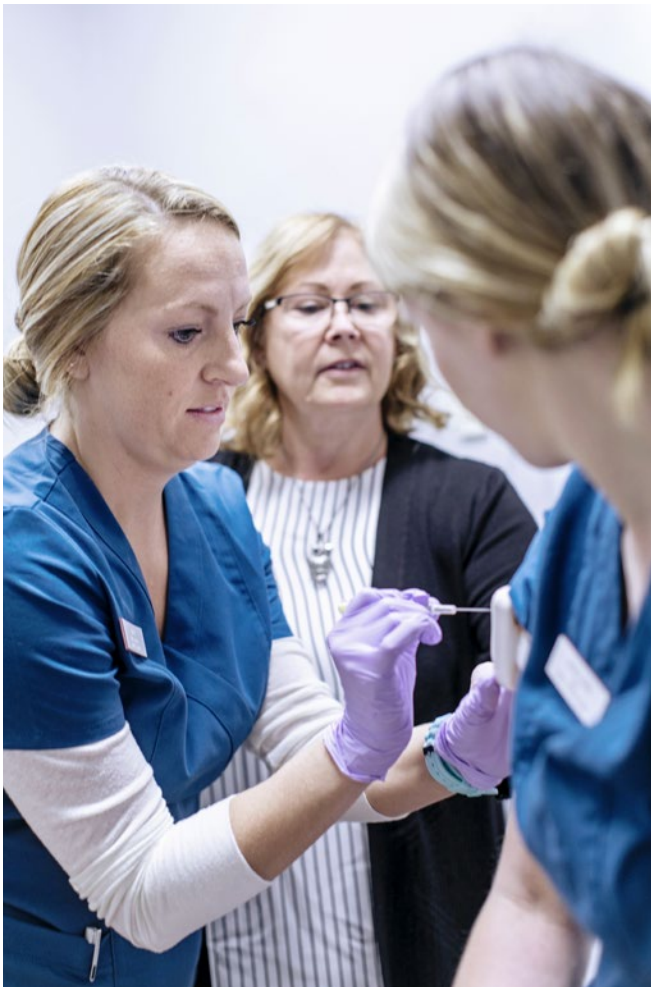
HEALTH SCIENCE

CERTIFICATE PROGRAM

A pathway to healthcare

The purpose of the certificate in Health Science is to prepare graduates for transfer into a two or four-year health degree program. The graduate will possess the knowledge and academic skills to be successful in a two year or a four-year health degree program.

"As a graduate, this program prepared me for my next step! I was able to complete required courses and received the help I needed to meet the admission requirements for Nursing."



What Health Science certificate graduates do:

- Patient Service Representative
- Provide technical Assistance
- Maintain lab equipment
- Work in teams

The Health Science Certificate prepares students for a number of healthcare programs:

- Nursing
- Medical Assisting
- Physical Therapy
- Occupational Therapy
- Phlebotomy
- Respiratory Therapy
- Health Information Management
- Radiology

For further questions about this program, please contact: enroll@kvcc.me.edu

HEALTH SCIENCE
DEPARTMENT CHAIRS: SCOTT BALLARD, 207-453-5185

Health Science Preparation Certificate

First Semester			PSY101	Introduction to Psychology	3
BIO213	Anatomy and Physiology I	4	_____	Humanities Elective	3
COM104	Introduction to Communication	3	_____	Health Science Elective	3
ENG101	College Composition	3	_____	Health Science Elective II	3-4
MAT111	Quantitative Reasoning	3		Total Credits	29-30
Second Semester					
BIO214	Anatomy and Physiology II	4			

CRITERIA FOR GRADUATION

Students must complete 29-30 credits in the Health Science Preparation certificate and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

HEALTH SCIENCE
Certificate

PROGRAM DESCRIPTION

The Health Science Certificate Program provides students with the knowledge and skills necessary to pursue a variety of health care professions. Students gain the foundation necessary to continue their education in a variety of two or four-year health degree programs, such as Nursing, Physical Therapy Assisting and Radiologic Technology. The program is structured to encourage career exploration and provide career guidance opportunities.

PROGRAM LEARNING OUTCOMES

Communicate effectively in various formats, which may include written and oral communication.

Demonstrate problem-solving and critical thinking skills

Identify and access resources that provide accurate, evidence-based health or scientific information.

Demonstrate proficiency in knowledge and conceptual understanding of human anatomy and physiology.

EDUCATIONAL OUTCOMES

- Upon successful completion of the Health Science Certificate program, the graduate is expected to:
- Develop a foundation of learning skills, including communication, critical thinking, problem solving and interpersonal skills.
- Develop meaningful connections with the college community to achieve academic and personal potential.
- Gain the confidence, competence, and commitment necessary to progress toward completion of a two or four-year health degree program.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

LIBERAL STUDIES

ASSOCIATE IN ARTS DEGREE PROGRAM

Flexible skills that transfer

Enrolling in the Liberal Studies program is an exciting and affordable way to build a strong foundation in the general education courses required at all colleges. This foundation prepares students to transfer to a four-year college or university to pursue a Bachelor's degree, transfer to an Associate in Science or Associate in Applied Science degree in a community college program, or enter the workplace with knowledge and skills necessary for a variety of career choices. The curriculum is flexible and allows students to select classes that are best suited to help them meet their personal, professional, and academic goals.

"My liberal studies degree allowed me to not only explore which field I wanted to pursue in my further education, it also gave me a good springboard at which to jump off into more detailed classes. Faculty were great when I explained that I was eventually tracking a further degree in biology."

What Liberal Studies graduates do:

- Continue studies at universities
- Write materials for organizations
- Manage people in companies
- Research questions using data
- Analyze problems within departments
- Develop practices of operation

Career Opportunities:

- Nonprofit organizations
- Education
- Small and large businesses
- Local, state, and federal offices
- Social service agencies
- Hospitality
- Communications
- Sales

For further questions about this program, please contact:
ls@kvcc.me.edu or go to: www.kvcc.me.edu/ls

LIBERAL STUDIES
DEPARTMENT CHAIRS: JULIETTE GUILMETTE, 207-453-3591
MARK MCCAFFERTY, 207-453-3638

Associate in Arts Degree

First Semester		
COM104*	Introduction to Communication	3
ENG101*	College Composition	3
MAT111*	Quantitative Reasoning	3
PSY101*	Introduction to Psychology OR	
SOC101*	Introduction to Sociology	3
_____*	Humanities Elective	3
Second Semester		
ENG121*	Introduction to Literature	3
HUM101*	Multi-Cultural Nature of American Society	
ANT101*	Cultural Anthropology	3
_____**	General Elective	3
_____*	Science Course with Lab	4
_____*	Social Science Elective (ECO, PSY, SOC)	3
Third Semester		
ENG2XX*	English Literature Elective	3
_____*	Fine Art Elective (MUS, ART, ENG210)	3
_____**	General Elective	3
_____**	General Elective	3
_____*	Social Science Elective (must be 200 level) (PSY,SOC)	3
Fourth Semester		
INT201*	Seminar in Inquiry	3
_____**	General Elective (must be 200 level)	3
_____**	General Elective (must be 200 level)	3
_____**	Writing/Communication Elective (must be 200 level)	3
_____*	Humanities Elective (must be 200 level)	3
	Total Credits	61

* Students must achieve a minimum grade of "C" in all required courses or core courses.

** Students planning to transfer to specific institutions or programs are responsible for choosing electives that will fulfill the requirements for those institutions or programs. Failure to work closely with their academic advisor and/or transfer counselor may result in credits that do not fulfill the necessary requirements or that do not transfer. Students should be aware that the requirement for 2xx level coursework in this program requires advanced planning with their advisor to ensure that the prerequisites for these classes are met.

Note:

1. COM104 and ENG101 are to be completed in the first semester or within the first 15 credits.
2. Of the 18 General Elective credits required, 9 must be taken at the 2xx level. A 2xx-level course in the same discipline will serve to meet the criteria of a 1xx-level elective.

CRITERIA FOR GRADUATION

Students must complete 61 credits in the Liberal Studies program and attain a final GPA of 2.0 or higher.

This program is accessible 100% online.

LIBERAL STUDIES
Associate in Arts Degree

DESCRIPTION

The Liberal Studies program is the result of the Community College Partnership between the Maine Community College System and the University of Maine System, and is designed to assist students in exploring career, educational interests, and in preparing them to transfer to a four-year institution.

The curriculum is designed to allow students the flexibility of selecting classes best suited to help them meet their personal, professional, and academic goals. A close working relationship with students' advisors, advisors from other institutions, and with other members of the KVCC community is vital.

Students enrolled in the Liberal Studies program may transfer to the University of Maine System or another baccalaureate degree-granting college.

Students in the Liberal Studies program may continue at Kennebec Valley Community College by applying to one of over twenty programs in the following areas: Allied Health, Biological Science, Business, Education, Mental Health, Nursing, Psychology and Trades and Technology.

Students may also decide to transfer into a community college program offered at one of the seven community colleges in Maine.

By completing the Liberal Studies Associates in Arts program, students will also complete the Block transfer agreement established between the Maine Community College System and the University of Maine System. This block will satisfy the general education requirements at these Maine Community Colleges and Maine Universities and limits any additional general education classes to no more than 10 credits.

Studies program provides students with a strong foundation in general education, thereby preparing them to transfer to a four-year college or university in pursuit of a Bachelor's degree, transfer to an Associate in Science or Associate in Applied Science degree in a community college program, or enter the workplace with knowledge and skills necessary for a variety of career choices.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Liberal Studies program, the graduate is expected to:

1. Demonstrate effective communication by means of listening, speaking, reading and writing in varied situations.
2. Demonstrate mathematical skills, critical analysis, and logical thinking to solve problems and interpret quantitative information.
3. Demonstrate an understanding of the human life process, individual development, thinking process, and behavior.
4. Demonstrate comprehension and the application of research methods and scientific inquiry.
5. Demonstrate a knowledge of different groups and organizations in societies and respect for varied cultural values.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

MEDICAL ASSISTING

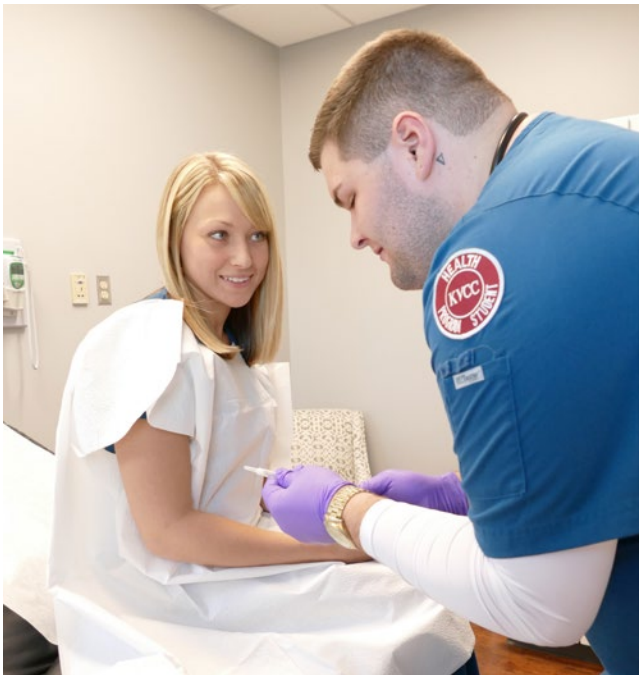
CERTIFICATE PROGRAMS AND ASSOCIATE IN APPLIED SCIENCE DEGREE

The front line of medical care

Medical Assistants perform administrative and clinical tasks that keep provider practices running smoothly. The education for a Medical Assistant is very diverse; Medical Assistants are trained professionals that are able to perform everything from direct patient care to the management of the ever-changing nature of healthcare administration.

The Medical Assisting Certificate Program at Kennebec Valley Community College is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of Medical Assisting Education Review Board (MAERB). Commission on Accreditation of Allied Health Education Programs, 25400 US Highway 19 North, Suite 158, Clearwater, FL 33756 Phone: 727-210-2350 www.caahep.org

"In my job I get to be on the edge of almost everything happening in healthcare. The possibilities are endless for me with a degree in Medical Assisting from KVCC."



What Medical Assisting graduates do:

- Perform EKGs
- Billing, coding, and insurance claims
- Collect and process lab specimens
- Maintain medical records
- Assist in minor surgeries
- Obtain vital signs
- Administer injections
- Referrals

Career Opportunities:

- Provider Practices
- Express Care
- Specialty Practices such as: Pediatrics, Family Practice, Women's Health Centers, Cardiology, Obstetrics and Gynecology, Geriatrics, Hospitals, and Laboratories

For further questions about this program, please contact:
mas@kvcc.me.edu or go to: www.kvcc.me.edu/mas

MEDICAL ASSISTING
DEPARTMENT CHAIR: BRITTANY NEWBY, 207-453-5005

Medical Assisting Certificate

First Semester		
BIO119	Survey of Anatomy and Physiology	4
MAS101	Introduction to Medical Assisting	3
MAS102	Medical Terminology	3
MAS110	Medical Documentation	3
MAS115	Medical Assisting Clinical Theory	3
MAS117	Medical Assisting Clinical Lab	1
Second Semester		
MAS114	Medical Office Law and Ethics	3
MAS211	Insurance Coding for Medical Office	3
MAS215	Advanced Medical Assisting Clinical Theory	3
MAS217	Advanced Medical Assisting Clinical Lab	2
MAS220	Pathophysiology/Pharmacology for the Medical Office	3
Summer Semester		
MAS234	Clinical/Administrative Office Practicum	5
	Total Credits	36

Associate in Applied Science Degree

Certificate in addition to courses noted below.

BIO 214	Anatomy and Physiology II	4
COM105	Interpersonal Communication	3
ENG101	College Composition	3
_____	General Education Elective	3
ENG219	Business and Professional Writing	3
MAT111	Quantitative Reasoning	3
PSY101	Introduction to Psychology	3
_____	Humanities Elective	3
	Total Credits	61

CRITERIA FOR GRADUATION

Students must complete 36 credits in the Medical Assisting Certificate program, 61 credits in the Associate in Applied Science Degree program, and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

MEDICAL ASSISTING
Certificates, Associate in Applied Science Degree

DESCRIPTION

The Medical Assisting program includes clinical and administrative experiences that are competency-based. During the final semester, students will work clinically alongside a provider in his/her practice as well as perform administrative tasks. A Medical Assistant will have direct patient care, provide patient education, obtain and test biological specimens, perform ECG's and assist the provider in minor office surgeries. Administrative management skills include the understanding of legal and ethical issues, confidentiality, billing and coding, scheduling appointments, referrals, and insurance claims processing.

The Medical Office Specialist program is designed to prepare students in the most advanced medical office technology. This two semester certificate is a theoretical, competency and scenario based program that will prepare students for entry-level medical positions within the healthcare field. Medical Office Specialists are highly trained within the electronic health record, documentation and the complex tasks related to front office medical practices. Specific tasks may include scheduling and registering patients, verbal and written

communication, insurance and billing, with an emphasis on excellent customer service. Professionalism and teamwork are incorporated as a vital component of a healthcare team as well as legal and ethical implications of a medical practice.

PROGRAM MISSION

The mission of the Medical Assisting Program is to prepare students for employment in provider practices, specialty practices, express cares, clinics, hospitals and laboratories. The curriculum provides students with current knowledge in both clinical and administrative procedures. The program is committed to providing students with a foundation of knowledge, skills, and behaviors that will carry them into the work force and lifelong learning.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

To prepare competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Upon completion of the program all students will:

1. Be prepared and eligible for the American Association of Medical Assistants certification examination.
    - Student Learning Outcome: Students will achieve passing grade on three mock certification exams which will be equal or greater than the national average for the first time takers.
2. Demonstrate critical thinking and problem solving skills within the boundaries of professional practice.
    - Student Learning Outcome: Students will gather factual information and apply it to a given problem.
    - Student Learning Outcome: Students will analyze logical connections among the facts relevant to a given situation.
3. Demonstrate effective communication with patients, families, and other health care professionals.
    - Student Learning Outcome: Students will demonstrate oral communication within a medical setting.
    - Student Learning Outcome: Students will demonstrate written communication skills within a medical setting.
4. Empathize and employ ethical principles by showing respect for diversity of culture, age, and gender.
    - Student Learning Outcome: Students will demonstrate empathy and respect for all patients.
    - Student Learning Outcome: Students will demonstrate ethical decision making within a medical setting.
5. Demonstrate technical proficiency on all skills necessary to fill the role as a medical assistant.
    - Student Learning Outcome: Students will demonstrate proficiency on all skills as a medical assistant.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site, the College will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense(s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Finger Printing Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associated with securing finger prints.

Infectious Diseases Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Exposure to Latex Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Drug Testing Drug testing may be a requirement of clinical/fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

MEDICAL CODING

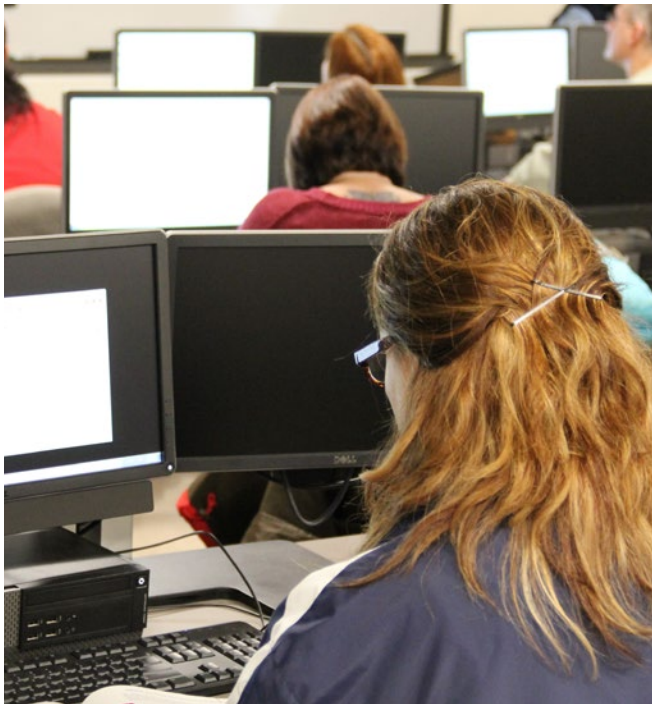
CERTIFICATE PROGRAM

Pursue a great career in medical coding and billing

As important members of a medical team, medical coding and billing professionals acquire a diverse set of skills and knowledge of medical terminology and anatomy, as well as proficiency in medical coding and billing software. This is a great career path for those interested in staying connected to the healthcare industry. Medical and billing coding professionals process and code health insurance claims, manage patient bills, and track quality assessments. They work behind-the-scenes to help maintain the accuracy and integrity of the billing functions of healthcare providers.

"I am excited to take the knowledge I have learned in the classroom into a healthcare facility. Being a Medical Coder will provide me with the skills and knowledge to process and code information."

Accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), Accreditation Services c/o AHIMA, 233 N. Michigan Ave, 21st Floor, Chicago, IL 60601-5800, *cahiim.org*



What Medical Coding graduates do:

- Review patients' records for appropriateness of data, pre-existing conditions, such as diabetes
- Use coding books and software to assign clinical codes for reimbursement and data analysis
- Assign appropriate diagnoses and procedure codes for patient care, population health statistics, and billing purposes
- Work with physicians to ensure that patients' records are complete and that all diagnoses and treatments are documented
- Work as a liaison between the health clinician and billing offices

Career Opportunities:

- Hospitals
- Physicians' Offices
- Nursing Homes
- Administrative Services
- Professional Services

For further questions about this program, please contact:
him@kvcc.me.edu or go to: www.kvcc.me.edu/him

MEDICAL CODING
DEPARTMENT CHAIR: RHONDA HARVEY, 207-453-5156

Medical Coding Certificate

First Semester			*Third Semester*		
BIO213	Anatomy and Physiology I	4	BIO216	Pathophysiology	3
MAS102	Medical Terminology	3	HIT201	ICD-10-CM/PCS Coding & Classification Systems	4
			MAT111	Quantitative Reasoning	3
Second Semester			*Fourth Semester*		
BIO214	Anatomy and Physiology II	4	COM104	Introduction to Communication	3
CPT117	Software Applications I	3	HIT222	CPT-4 Coding	4
HIT136	Introduction to Coding & Classification	3		Total Credits	34

CRITERIA FOR GRADUATION

Students must complete 34 credits in the Medical Coding certificate, and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.

This program is accessible 100% online.

MEDICAL CODING
Certificate

DESCRIPTION

Medical Coding is a two semester certificate program that prepares students for the rapidly expanding field of medical coding and focuses on developing an understanding of the language of medicine and the ability to apply it to professional coding standards.

ICD-10-CM/PCS and CPT coding concepts and guidelines are taught in this course. Instruction concentrates on the areas of anatomy and physiology, medical terminology, pharmacology, and clinical classification systems. Coders are required to abstract medical documentation from a patient's chart and correlate the diagnosis and procedures performed into numerical code numbers. This is done in all healthcare facilities. The student gains knowledge and practice in computer software programs such as encoders and electronic medical records systems, which allows students to have real world, hands-on application of medical practice.

PROGRAM MISSION

The mission of the Health Information Management (HIM) program at KVCC is to provide the necessary educational opportunities to prepare students for certification and practice as Registered Health Information Technicians (RHIT). Health Information Management is an evolving profession in the health care environment. The HIM program takes the responsibility to educate and develop a skilled work force to support the needs of the health care industry. The HIM professional is a specialist in administering information systems, managing medical records, and coding information for reimbursement and research. With the combined efforts of clinical affiliations, the HIM program offers an opportunity for students to develop the necessary skills, knowledge, and attitudes to attain an AAS degree and eligibility for the RHIT credential.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Medical Coding Certificate, the graduate is expected to:

1. Demonstrate entry level skills in coding with ICD-10-CM/PCS and CPT.
2. Describe the relationship between coding and reimbursement in healthcare.
3. Demonstrate professional behaviors in the work place including patient confidentiality and professional ethics.
4. Demonstrate clear and effective communication skills, critical thinking, and problem solving within their scope of practice.
5. Participate in activities that foster professional growth and continued competence.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site, the College will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense(s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Finger Printing

Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associated with securing finger prints.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Exposure to Latex

Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs

Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Drug Testing

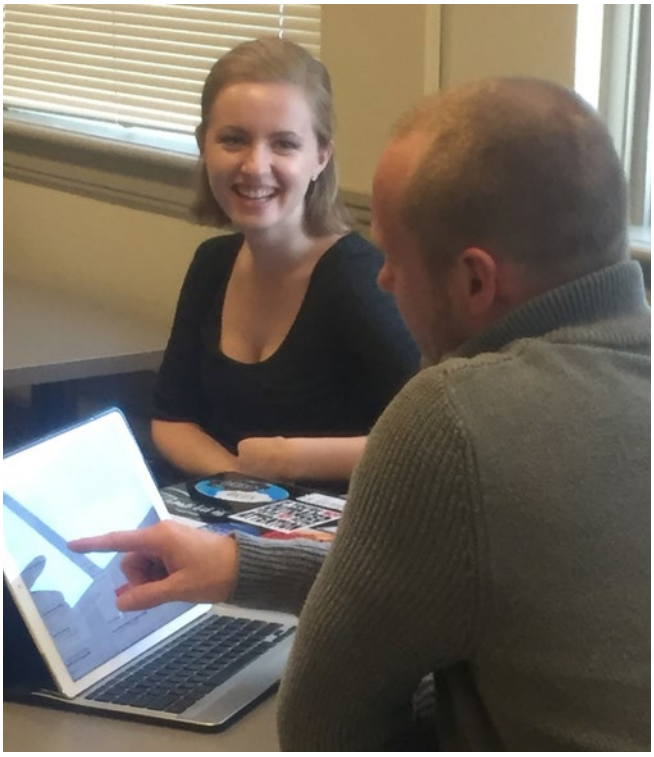
Drug testing may be a requirement of clinical/fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

MENTAL HEALTH

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Prepare for certification as a Mental Health Rehabilitation Technician

Millions of people in the United States are affected by mental illness each year. KVCC's Mental Health program provides the essential skills and knowledge needed for entry-level and case management positions within the mental health field in Maine as Mental Health Rehabilitation Technicians. The MHRT/Community certification applies to providers of community support services, case management services, intensive case management services, assertive community treatment, and day support services as outlined in Chapter II of the MaineCare Benefits Manual, Section 17.



"KVCC's Mental Health program was the foundation of my education. It taught me the values I use in my work today, particularly honoring the dignity and worth of every individual, even those that happen to be different."

What Mental Health graduates do:

- Provide community support
- Conduct intensive case management
- Day support services
- Deliver assertive community treatment
- Crisis counseling

Career Opportunities:

- Mental health agencies
- Rehabilitation centers
- Group homes
- Corrections facilities
- Nursing homes
- Case management offices

For further questions about this program, please contact:
mh@kvcc.me.edu or go to: www.kvcc.me.edu/mh

MENTAL HEALTH
DEPARTMENT CHAIR: SHAWN YOUNG, 207-453-3661

Associate in Applied Science Degree

First Semester		
MHT101*	Mental Health Seminar	1
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
ENG101	College Composition	3
MHT105*	Mind-Body Connection	3
SOC101	Intro to Sociology	3
Second Semester		
MAT111	Quantitative Reasoning	3
MHT135*	Substance Abuse	3
MHT130*	Diversity and Culture	3
_____	Science course with lab	4
PSY101	Introduction to Psychology	3
Third Semester		
MHT201*	Policy Knowledge	3
MHT204*	Behav, Psych & Rehab Int	3
PSY204	Abnormal Psychology OR	
PSY215	Developmental Psychology	3
	General Education Elective	3
MHT205*	Trauma and Recovery	3
Fourth Semester		
MAT225	Community Integration & Inclusion	3
MHT227*	Vocational Supports	3
MHT230*	Ethics and Prof Conduct	3
MHT235*	Senior Seminar	1
MHT232	Advanced Topics in Substance Abuse OR	3
SOC204	Social Problems	3
_____	Humanities Elective	3
	Total Credits	60

Certificate

First Semester		
MHT101*	Mental Health Seminar	1
MHT105*	Mind-Body Connection	3
MHT130*	Diversity and Culture	3
MHT201*	Policy Knowledge	3
MHT204*	Behav, Psych & Rehab Int	3
Second Semester		
MHT230*	Ethics & Prof Conduct	3
MHT205*	Trauma and Resiliency	3
MHT225*	Community Integration & Inclusion	3
MHT227*	Vocational Supports	3
	Total Credits	25

CRITERIA FOR GRADUATION

Completion of 25 credits in the certificate program or 60 credits in the Associate degree, and a grade of "C" or better in all core courses (*) and a cumulative GPA of 2.0, or better, are required for graduation and State Certification..

This program is accessible 100% online.

MENTAL HEALTH
Associate in Applied Science Degree, Certificate

DESCRIPTION

The Associate in Applied Science degree in Mental Health will prepare students for entry-level and above positions in areas of substance abuse, mental health rehabilitation, developmental disability services, and gerontology. The Certificate will allow students to focus their efforts on obtaining the state certificate while keeping the option for continuing on open.

Students who complete MHT225, MHT230, MHT204, and one other eligible MHT course (with a "C" or better) can apply to the Muskie School Center for Learning for the Provisional MHRT-Community Certification. Students who then complete the remaining four domain courses can apply to the Muskie School Center for Learning for the Full MHRT-Community Certification.

PROGRAM MISSION

KVCC's Mental Health programs prepare students to work with individuals with prolonged, pervasive, and persistent mental illness. Core courses in these provide students with the core competencies for their Mental Health Rehabilitation Technical / Community (MHRT/C) level of certification.

Persons with an MHRT/C can apply for positions in the mental health field including Community Integration, Intensive Case Management, Assertive Community Treatment, Skills Development, Day Support Services, and Family Psycho-Education.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon completion of the Associate in Applied Science degree or Certificate in Mental Health, the graduate is prepared to:

1. Utilize knowledge and elementary counseling skills to engage and collaborate with clients and their families.
2. Demonstrate knowledge of the formal and informal support systems in the community.
3. Analyze problems as they occur in the community work setting and provide support and information to solve these problems.
4. Collaborate with other treatment team members from a variety of disciplines and perspectives in the treatment of individuals, families, and other groups.
5. Demonstrate awareness of the challenges individuals with mental health problems and diagnoses face in regard to human rights, access to services, financial strain, and social stigma.
6. Assume ethical responsibility for their actions and abide by the ethical principles outlined in the field of Human Services.
7. Establish and engage in a process of continued personal and professional growth in order to remain personally healthy and effective, and professionally competent.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

NURSING ADN PROGRAM

ASSOCIATE IN SCIENCE DEGREE PROGRAM

Become a registered nurse and make a difference

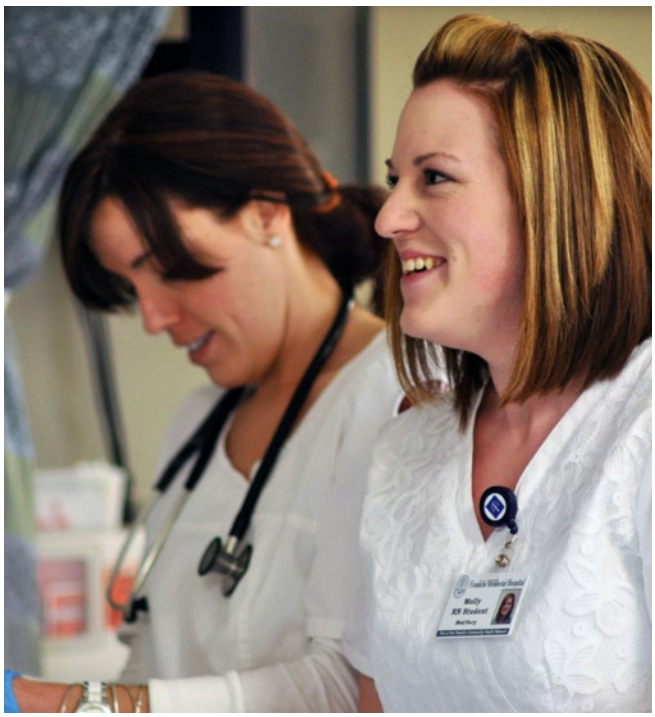
Nursing is the largest health care profession in the United States, providing limitless and rewarding career opportunities for men and women. The Associate Degree in Nursing at KVCC prepares students to care for individuals and families, helping them attain, maintain, or recover optimal health and functioning.

The Associate Degree Nursing Programs, both generic and LPN to ADN, at Kennebec Valley Community College (Main Campus) in Fairfield, Maine are accredited by the Accreditation Commission for Education in Nursing (ACEN). The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate Degree Nursing Programs, both generic and LPN to ADN, is Continuing Accreditation.

ACEN Contact Information:
Accreditation Commission for Education in Nursing
3390 Peachtree Road NE, Suite 1400
Atlanta, Georgia 30326
Phone: (404) 975-5000
Fax: (404) 975-5020
Email: info@acennursing.org
website: www.acennursing.org

The KVCC Nursing Programs have full approval from the Maine State Board of Nursing (MSBN).

MSBN Contact Information:
Mane State Board of Nursing
161 Capitol Street
158 State House Station
Augusta, Maine 04333-0158
Phone: (207) 287-1133
Fax: (207) 287-1149
Email: www.maine.gov/boardofnursing/board-information/staff-contact.html
website: www.maine.gov/boardofnursing/index.html



What Nursing graduates do:

- Provide direct care
- Perform physical examinations
- Take health histories
- Do diagnostic testing/analyze results
- Use monitoring equipment
- Administer treatment/medications
- Provide emotional support to patients

Career Opportunities:

- Hospitals
- Medical offices
- Maternity and pediatric settings
- Rehabilitation/long-term care centers
- Critical care units
- Dialysis facilities
- Cancer centers
- Surgical centers
- Mental health units
- Home health agencies

For further questions about this program, please contact:
nur@kvcc.me.edu or go to: www.kvcc.me.edu/nur

NURSING ADN PROGRAM
DEPARTMENT CHAIR: MARCIA PARKER, 207-453-5167
(EFFECTIVE 1.1.22) LEAH PROVOST, 207-453-5173

Associate in Science Degree

*Prerequisites**		
First Semester		
BIO213	Anatomy and Physiology I*	4
ENG101	College Composition*	3
MAT111	Quantitative Reasoning*	3
NUR119	Transition to ADN Education	1
NUR118	Foundations of Nursing	8
Second Semester		
BIO214	Anatomy and Physiology II	4
PSY101	Introduction to Psychology	3
NUR122	Nursing Across the Lifespan I	9
Third Semester		
BIO219	Microbiology	4
PSY215	Developmental Psychology	3
NUR224	Nursing Across the Lifespan II	9
Fourth Semester		
COM104	Introduction to Communication	3
NUR227	Nursing Across the Lifespan III	7
NUR229	Transition into Nursing Practice for the ADN	2
SOC101	Introduction to Sociology	3
_____	Humanities Elective	3
	Total Credits	69
NUR126	LPN Transition to the ADN Role**	1

** These three (3) college level courses are required within the Nursing Program curriculum and are also a piece of the admission process for entry into the program.*

***Required of all licensed practical nurses and must be taken concurrently with NUR122 in Second Semester of the curriculum.*

CRITERIA FOR GRADUATION

To graduate, students must achieve a minimum grade of "C" in all courses (a final GPA of 2.0 or higher) and a "satisfactory" rating in the clinical portion of each nursing course. Students are graded "satisfactory" or "unsatisfactory" in the clinical component of nursing courses.

ADN PROGRAM
Associate in Science Degree

DESCRIPTION

The Nursing Program prepares women and men for entry-level positions in the nursing profession. Successful completion of the ADN program of study qualifies graduates to receive an Associate in Science Degree in Nursing (ADN). The ADN qualifies the graduate for the National Council Licensure Examination (NCLEX-RN) and application for state licensure as a registered nurse (RN) in the state of Maine. The program is approved by the Maine State Board of Nursing (MSBN) and accredited by the Accreditation Commission for Education in Nursing (ACEN).

The program of study combines general education and nursing studies in the classroom with selected laboratory, simulation, and clinical experiences in providing nursing care to patients in a variety of health care settings. Students may be scheduled for day, evening, and weekend clinical experiences throughout the program. It is expected that students will be able to make the necessary arrangements in order to complete all scheduled rotations. Nursing courses require students to participate in approximately 18 to 24 hours per week of classroom and clinical activities. Attendance is essential. General education courses supportive to the nursing major must be taken prior to or concurrent with nursing courses as stipulated in the curriculum design. Completion of all non-nursing general education courses is strongly recommended prior to program entry. Nursing courses must be taken in consecutive semesters. Students must achieve a minimum grade of "C" in all required general education and nursing courses in order to progress through the curriculum. A general education course may only be repeated once in order to achieve the minimum grade.

Applicants to the Nursing Program should be aware that nursing at the Associate Degree level involves the provision of direct care to patients. A student in the Nursing Program must have the knowledge and ability to effectively assess a patient's biopsychosocial needs. Furthermore, the student must be able to analyze data in order to state a patient's problem, comprehensively plan independent and collaborative interventions, implement the plan of care, and evaluate the care given, as well as the patient's response to the care. Therefore, the student must have observational, communication, motor, cognitive, psychosocial, and behavioral abilities sufficient to carry out the above responsibilities. Technological accommodation can be made available for some disabilities in some of these areas, but a student must be able to perform in a reasonably independent manner. The use of a trained intermediary is not permitted since a student's judgment would be influenced by someone else's observations.

In order to be considered for admission or to be retained in the Nursing Program, all applicants must have the following abilities and skills:

1. A visual acuity with corrective lenses to identify: cyanosis, absence of respiratory movement in patients; read small print on medication containers, health care providers' prescriptions, monitors, and equipment calibrations.
2. A hearing ability with auditory aids to: understand the normal speaking voice without viewing the speaker's face; hear monitor alarms, emergency signals, call bells from patients and telephone orders; take/hear blood pressure, heart, lung, vascular, and abdominal sounds with stethoscope.
3. The physical ability to stand for prolonged periods of time, perform cardiopulmonary resuscitation, lift, move, and reposition patients, and move from room to room or maneuver in limited spaces.
4. Effective communication in verbal and written form by speaking clearly and succinctly when explaining treatment procedures, describing patients' conditions, and implementing health teaching. Write legibly and correctly in patients' charts for legal documentation and enter data accurately in the electronic medical record.
5. The manual dexterity to use sterile techniques to insert catheters, withdraw blood, and prepare and administer all medications.
6. The tactile ability to palpate pulses, determine warmth and coolness, detect enlarged nodes and lumps.
7. The ability to function safely under stressful conditions and the ability to adapt to a dynamic environment inherent in clinical situations involving patient care.

The Nursing Program is designed to keep pace with current health care trends and technology in order to meet the dynamic health care needs of the community, and to prepare students for the challenges of the nursing profession. The curriculum is subject to change without notice in order to comply with the requirements of

accrediting agencies, clinical facilities, and/or the College. For the most current information, applicants should visit the KVCC Nursing Program website at http://www.kvcc.me.edu/Pages/Nursing/Nursing-Home.

Students in the Nursing Program are expected to be computer proficient in keyboarding, word processing, and the use of the Internet. All nursing courses are Brightspace enhanced courses. Ideally, students should have off-campus internet access in order to complete online course activities.

Students who are not successful in a nursing course do not progress to the subsequent nursing course; unsuccessful students must withdraw from the Nursing Program. Students who are not successful in completing a nursing course may be considered for re-admission to the Nursing Program one time only. Acceptance for re-admission depends upon:

1. the overall past performance of the applicant;
2. completion of actions taken by the applicant for remediation;
3. availability of space in the Nursing Program;
4. program duration limits.
5. additional coursework/testing.

Students who are not successful in the first semester nursing course (NUR118) must apply to restart the Nursing Program through the Admissions Office. Current admission requirements must be met. Re-entrance into the 2nd, 3rd, or 4th semesters is done by petitioning the Academic Dean and the nursing faculty.

NOTE: All applicants to the Nursing Program should be aware that the Maine State Board of Nursing may refuse to grant a license on the basis of criminal history record information relating to convictions denominated in Title 5, Chapter 341, subsection 5301 of the Maine Revised Statutes Annotated. To participate in the Nursing Program, students must attest to criminal history and pending criminal data. Convictions and pending charges of concern will be reviewed by clinical agencies to determine if students can work at these sites. Students who are not accepted at a clinical agency will not be able to meet program requirements, resulting in dismissal from the Nursing Program. Students found to be untruthful or misleading on the attestation statement may be dismissed from the Nursing Program.

PROGRAM MISSION

The purpose of the Nursing Program is to educate graduates who will function competently as entry level Associate Degree nurses. The curriculum is designed to provide students with learning opportunities which integrate theoretical knowledge with clinical practice. Students will be encouraged to review, assess, and analyze information in order to make sound clinical judgments, to think conceptually. Graduates of the Nursing Program are prepared to provide safe and compassionate nursing care to individuals and families in a variety of acute, long-term, and community health care settings.

PROGRAM PHILOSOPHY

The Nursing faculty believes that the Nursing program subscribes to the philosophy of Kennebec Valley Community College. The College endeavors to provide a balance between occupational and academic competencies and to promote the development of individuals so that they can meet the changing needs of the community. The Nursing faculty collaborates with advisory board members and the staff/administration of selected health care facilities to assure that proper entry-level knowledge and technical, critical thinking, and interpersonal skills are possessed by graduates. In a caring and supportive environment, the Nursing Department provides opportunity for student development inspired by shared values of integrity, accountability, and community service.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Associate Degree Nursing Program, the graduate will:

1. provide holistic care, utilizing the nursing process, to individuals and families across the life span and the wellness-illness continuum;
2. provide safe and ethical care based on research, using information and technology to support decision-making and improve quality;

3. demonstrate legal and ethical accountability for the delivery of caring and competent nursing care using professional communication with interdisciplinary team members.

ADMISSION REQUIREMENTS

Immunization and CPR Requirements

1. Current CPR Certification - Basic Life Support (BLS) from the American Heart Association (AHA) OR American Red Cross (ARC).
2. Proof of immunization against TDAP within the last ten years.
3. Proof of immunization against Measles, Mumps, and Rubella (MMR). If non-immune, two doses MMR vaccine is required for persons born after 1957.
4. Proof of immunization against Hepatitis Series B and Titre (6+ month process). If non-immune, a waiver is required.
5. Proof of immunization against chicken pox with a Varicella Titre. If non-immune, two doses of Varicella virus vaccine is required.
6. An influenza vaccine is required annually in the fall by health care facilities.

Required College Courses

1. BIO213 Anatomy and Physiology I - "B" (3.0) grade or better
2. ENG101 College Composition - "B" (3.0) grade or better
3. MAT111 Quantitative Reasoning - "B" (3.0) grade or better

Required Academic Standing

1. Cumulative grade point average of 3.0 is required.

Test of Essential Academic Skills (TEAS)

1. May be taken a total of three times - original test session plus two retakes.
2. Each retake includes all subtest scores and may only be taken after a 45-day waiting period.
3. Free preparatory sessions are offered through the Learning Commons.
4. Test of Essential Academic Skills (TEAS) May be taken twice in an academic year (November to July). Each re-take includes all subtest scores and may only be taken after a 45 day waiting period. Test consists of Reading, Math, Science, and English and Language Usage. Registration for the TEAS is completed in the MYKV Student Portal – Admission>My Application.
    - Minimum composite score 70th percentile rank.

Nursing Program Orientation

Upon successful completion of the above entrance requirements, students will receive an acceptance letter. Students must attend a required accepted student event scheduled in June. Students will be notified of the date for this session by the Nursing Department Chair. Failure to attend this required accepted student event will jeopardize your admission status.

Transfer Applicants

Transfer applicants must meet the current Nursing Program admission requirements. Additionally, they must submit a letter of reference form the Chairperson of their former nursing program. Clinical nursing credits must be approved by the Chairperson of the KVCC Nursing Program and cannot be more than one (1) year old. Once transfer students are admitted to the Nursing Program, they have one (1) opportunity to complete the Nursing curriculum. Transfer students are required to complete a minimum of two (2) academic semesters in order to meet graduation and residency requirements.

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site the College will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense (s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Exposure to Latex

Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs

Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Clinical/Fieldwork Placement

Students may be scheduled for day, evening and night clinical/fieldwork experiences in some programs. It is expected that the student is able to make the necessary arrangements in order to complete all scheduled times. Placement is statewide. The student is responsible for all travel and/or living related to the clinical or fieldwork experience.

Drug Testing

Drug testing may be a requirement of clinical/fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

OCCUPATIONAL THERAPY ASSISTANT

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAM

Help people regain function and independence

Occupational Therapy is a health and wellness profession whose goal is to help people achieve independence and satisfaction an everyday life, no matter the barrier. Occupational Therapy helps people across the lifespan participate in the things they want and need to do through the therapeutic use of meaningful occupations. The Occupation Therapy practitioner provides "skills for the job of living"-those skills necessary to function where people live, learn and play. KVCC has the only OTA program in the State of Maine.

Accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929, Telephone: 301-652-2682, Website: https: www.acoteonline.org

"I've dreamed of being in the occupational therapy field for almost 10 years and am so thrilled to have found this program. The OTA program at KVCC has exceeded my expectations. I am getting a high quality education from competent professors who are passionate about what they do. I know that I am getting a first class, relevant education that is preparing me to be a fully competent COTA."

What Occupational Therapy Assistant graduates do:

- Create Occupation-based interventions
- Restore function through rehabilitation activities
- Teach Independent living skills/acquisition
- Analyze occupational performance
- Customize treatment programs
- Recommend environmental modifications
- Provide neuromuscular and sensory techniques
- Assess/train assistive technology
- Promote health and wellness

Career Opportunities:

- Hospitals
- Schools and early intervention settings
- Mental health inpatient/outpatient services
- Brain injury rehabilitation
- Inpatient/outpatient physical rehabilitation
- Workplace health centers
- Skilled nursing facilities
- Home health and in-home modifications

For further questions about this program, please contact:
ota@kvcc.me.edu or go to: www.kvcc.me.edu/ota

OCCUPATIONAL THERAPY ASSISTANT
DEPARTMENT CHAIR: KARA WEISHER, 207-453-5023

Associate in Applied Science Degree

First Semester		
BIO213	Anatomy and Physiology I	4
ENG101	College Composition	3
OTS101	Introduction to Occupational Therapy and Human Occupation	7
PSY101	Introduction to Psychology	3
Second Semester		
BIO214	Anatomy and Physiology II	4
OTS103	Functional Kinesiology	3
OTS104	Interpersonal Skills for the Practicing Allied Health Professional	1
OTS122	Occupational Therapy for Children and Youth	4
PSY215	Developmental Psychology	3
_____	Humanities Elective	3
Summer Session (5 Weeks)		
COM104	Introduction to Communication	3
OTS105	Fieldwork Education I	2
OTS107	Assistive Technology in OT Practice	1
OTS109	Group Process	1
Third Semester		
OTS201	Practice Environments Seminar	2
OTS210	Occupational Therapy for Adults with Physical Disabilities	4
OTS216	Occupational Therapy with Special Populations	2
OTS222	Psychosocial Aspects of Occupational Therapy Across the Life Span	5
SOC101	Introduction to Sociology	3
Fourth Semester		
OTS206	OTA Fieldwork Education II, A	6
OTS208	OTA Fieldwork Education II, B	6
	Total Credits	70

CRITERIA FOR GRADUATION

Students must complete 70 credits in the Occupational Therapy Assistant program, achieve a minimum grade of "C," or "PASS" criteria, in all courses, and attain a final GPA of 2.00 or higher.

OCCUPATIONAL THERAPY ASSISTANT
Associate in Applied Science Degree

DESCRIPTION

This two-year program prepares students to become entry-level Occupational Therapy Assistants in the Occupational Therapy profession. The Occupational Therapy Assistant (OTA/COTA) provides comprehensive OT services under the supervision of an occupational therapist (OT/OTR). OTA's are valued members of the health care team. They assist people of all ages and walks of life to maximize engagement and participation in desired and expected daily life activities through the use of occupations. KVCC has the only OTA program in the State of Maine. Graduates are eligible to sit for the National Board for Certification in Occupational Therapy (NBCOT) exam. Occupational Therapy Assistants must attain and maintain their own license in Maine.

PROGRAM MISSION

The mission of the Occupational Therapy Assistant Program is to prepare students to become competent Occupational Therapy Assistants who will provide Maine with a cadre of qualified and dedicated occupational therapy practitioners to assist its citizens in achieving independence, wellness, and quality of life while maintaining individual choice, human dignity, and personal satisfaction.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Occupational Therapy Assistant program, a graduate is expected to:

1. Successfully pass the National Board for Certification in Occupational Therapy (NBCOT) exam.
2. Demonstrate the use of professional values, consistent with the Occupational Therapy Core Values and Ethics, that allow them to function ethically and responsibly by demonstrating tolerance and respect for diversity of culture, age, gender, and ability.
3. Demonstrate effective communication with clients, families, supervisors, and other members of their work environment using cultural competence.
4. Employ logical thinking, critical analysis, problem solving, and creativity within their scope of professional practice.
5. Participate in lifelong learning and professional competency activities as they relate to occupational therapy practice and professional choices.
6. Demonstrate entry level competence as a licensed Occupational Therapy Assistant

ADMISSION REQUIREMENTS

Please refer to the General Admission requirements provided in the Admissions section of this catalog. Additional admission requirements are as follows:

1. Job Shadows and Personal Reflection Statement (OTA Essay)
   - Completion of one (1) job shadow.
   - Completion of personal reflection statements.
2. Test of Essential Academic Skills (TEAS)
   - May be taken twice in an academic year (November to July).
   - Each re-take includes all subtest scores and may only be taken after a 45 day waiting period.
   - Test consists of Reading, Math, Science, and English and Language Usage.
   - The TEAS may only be taken three times in total (Original test plus two (2) additional retakes).
   - Free preparatory sessions are offered through the Learning Commons
   - Registration for the TEAS is completed in the MYKV Student Portal – Admission>My Application.
   - Required Minimum composite score 61st percentile rank.
     - Minimum reading 71st percentile rank.
     - Minimum math 65th percentile rank.
     - Minimum science 51st percentile rank.
     - Minimum english 62nd percentile rank.

3. Academic Standing
    - Students currently matriculated at KVCC must hold a cumulative GPA of 2.5 at the start of their first semester of program study.
    - Students who are transferring must have achieved a cumulative GPA of 2.5 at their previous educational institution.

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site the College will likely be required to enter an academic dismissal from the program.
- Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associate with securing finger prints.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense (s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Exposure to Latex

Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs

Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Clinical/Fieldwork Placement

Students may be scheduled for day, evening and night clinical/fieldwork experiences in some programs. It is expected that the student is able to make the necessary arrangements in order to complete all scheduled times. Placement is statewide. The student is responsible for all travel and/or living related to the clinical or fieldwork experience.

Drug Testing

Drug testing may be a requirement of clinical/fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

ADDITIONAL PROGRAM INFORMATION

Students who have been accepted into the Occupational Therapy Assistant program must:

1. Agree to work with an outside agency to collect, document, and track required personal healthcare information (immunization status, BLS/CPR, healthcare background checks, and fingerprinting) as required by the OTA program. Each student is responsible for the cost of this service.

2. Assume personal responsibility for attaining and maintaining the necessary requirements for fieldwork:
    - immunizations, CPR, background check, and fingerprinting
    - transportation including travel up to 1.5 hours (to and from) fieldwork sites
    - other living costs to and from statewide fieldwork education sites.
3. Meet the OTA program's deadlines for developing and maintaining a current personal healthcare information portfolio.
4. Have professional liability insurance and healthcare insurance.
5. Purchase required books and a KVCC/OTAS identification pin.
6. Perform the Essential Performance Skills of the OTA student at KVCC, including professional and critical thinking skills with or without reasonable accommodations.

Note: Applicants to the OTA program should be aware that a national criminal background check and Maine Department of Education fingerprinting are required while they are enrolled in the program, and as a condition of employment in the field. Certain service learning/fieldwork/ practicum sites, such as health care facilities, will most likely limit or deny clinical privileges to those who have a prior or current felony criminal record. State licensing boards may refuse to issue a license to practice based upon prior or current criminal offense(s).

GRADUATE INFORMATION

Upon completing the OTA program, graduates:

- are required to be licensed to work in the State of Maine. {Board of OT Practice, Office of Licensing and Registration, 35 State House Station, Augusta, ME 04333; 207-624-8603; www.maine.gov} (A felony conviction may restrict an individual from obtaining certification and/or licensure.)

PHLEBOTOMY

CERTIFICATE PROGRAM

Become a Skilled Phlebotomist

The phlebotomist facilitates the collection, handling, and processing of blood and other laboratory specimens and is often the patient's only contact with the medical laboratory. Phlebotomists are a valuable part of a healthcare team and help patients receive accurate and timely results. In fact, 70% of all diagnoses involve laboratory specimens.

"I am so glad that I chose to take the Phlebotomy program at KVCC. This program has challenged me and changed my life in ways I never thought possible. It has helped me grow into a better person and given me a solid foundation with which to build upon. I learned that I can achieve my goals and overcome my fears all while helping others. I am extremely proud of myself and my choice. Thank you KVCC!"

"Phlebotomy is a great pathway to other medical careers, such as Medical Assistant, Nurse, or Medical Laboratory Technician."

What Phlebotomy graduates do:

- Apply anatomy knowledge
- Interact compassionately with patients
- Properly label blood specimens
- Assist blood donations
- Apply knowledge of medical terms
- Work with hospital teams
- Observe and enforce safety procedures
- Properly collects and labels blood specimens
- Specimen processing

Career Opportunities:

- Clinics
- Physician practices
- Donor centers
- Insurance companies
- Reference laboratories
- Hospital laboratories
- Research facilities

For further questions about this program, please contact:
pbt@kvcc.me.edu or go to: www.kvcc.me.edu/pbt

PHLEBOTOMY
DEPARTMENT CHAIR: BRITTANY NEWBY 207-453-5005

Certificate

COM105	Interpersonal Communication	3
MAS102	Medical Terminology	3
MAT111	Quantitative Reasoning	3
MLT103	Phlebotomy	6
	Total Credits	15

CRITERIA FOR GRADUATION

Students must complete 15 credits in the Phlebotomy certificate program and achieve a minimum grade of "C" in all courses. Students must maintain a final GPA of 2.0.

PHLEBOTOMY
Certificate

DESCRIPTION

The Phlebotomy certificate includes coursework designed to provide the necessary skills and knowledge to be eligible to take the ASCP PBT, American Society for Clinical Pathology Board of Certification Phlebotomy Technician Exam. This certificate also provides additional foundational general education coursework applicable and transferable to other degree programs. A Phlebotomy Technician is an integral member of the allied health care team whose primary function is the collection of blood samples. They need to assure quality and adhere to patient safety practices in order to facilitate strict professional behavior and standards of practice for phlebotomists. Many healthcare professionals often start working as a phlebotomist and are exposed to different healthcare areas, allowing them to find the right fit. Phlebotomy entails a fairly short training period and are in high demand. There are often multiple opportunities available for graduates, including different types of healthcare settings, shifts and patient volumes to try out the medical profession. Jobs for phlebotomists are available at hospitals, medical offices, and clinics.

PROGRAM MISSION

To prepare students for successful completion of the ASCP PBT, American Society for Clinical Pathology Board of Certification Phlebotomist Technician Exam and provide a general education transfer foundation for transfer into other degree program.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Phlebotomy program, the graduate is expected to:

1. Be prepared and eligible to take the American Society for Clinical Pathology Board of Certification Exam.
2. Have completed foundational general education coursework applicable and transferable to other degree programs.
3. Exhibit skill and competency to obtain quality blood samples for diagnostic testing on neonates, pediatric, adolescent, adult and geriatric patients by capillary or venous collection.

PROGRAM INFORMATION

Attendance is mandatory at all classroom and clinical rotations as assigned. Appropriate hospital dress code must be followed while on clinical rotations. Students will be required to do a minimum of 100 successful venipunctures, 25 successful skin punctures, and participate in an orientation at a full service laboratory. In addition, students must:

- Have a passing grade of 75 in MLT103 in order to participate in clinical rotations.
- Meet requirements for Immunizations for Nursing & Allied Health Programs (see page 33).
- Have a valid Healthcare Provider CPR card prior to starting clinical rotations.

Clinical Rotations consist of fifteen eight hour days. Clinical assignments will be given to the students after the start of the class. Clinical rotations will be held on the days the students are not scheduled for class.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

PROGRAM INFORMATION:

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site, the College will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense(s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Finger Printing

Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associate with securing finger prints.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Exposure to Latex

Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs

Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Clinical/Fieldwork Placement

Students may be scheduled for day, evening and night clinical/fieldwork experiences in some programs. It is expected that the student is able to make the necessary arrangements in order to complete all scheduled times. Placement is statewide. The student is responsible for all travel and/or living related to the clinical or fieldwork experience.

Drug Testing

Drug testing may be a requirement of clinical education sites. Students will be responsible for the cost of such testing if required by the site.

PHYSICAL THERAPIST ASSISTANT

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAM

Help patients regain mobility

Physical Therapist Assistants (PTA) work as part of a team to provide physical therapy services under the direction and supervision of the physical therapist. PTAs help patients regain movement as they recover from conditions that limit their mobility and ability to perform daily functional activities.

The Physical Therapist Assistant program at Kennebec Valley Community College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314 Telephone: 703-706-3245 Email: accreditation@apta.org Website: http://www.capteonline.org

"I had been doing the same job for 16 years and I needed a change. The PTA program forced me out of the 'comfort' zone I had become so used to. The professors believed in me even when I was unsure of myself. Their passion for their profession was evident by their use of 'real world' scenarios. This single mom of two is very proud to be part of KVCC's PTA alumni."

What Licensed Physical Therapist Assistant graduates do:

- Assist the Physical Therapist in treatment of individuals of all ages with medical problems or other health-related conditions
- Perform functional activities and exercises with patients
- Instruct patients in self-care
- Promote mobility, pain control, function, and prevention of disability

Career Opportunities:

- Hospitals
- Rehabilitation centers
- Skilled units in nursing homes
- Outpatient clinics
- Pediatric facilities
- Private practices
- Schools
- Home care

For further questions about this program, please contact:
pta@kvcc.me.edu or go to: www.kvcc.me.edu/pta

PHYSICAL THERAPIST ASSISTANT
DEPARTMENT CHAIR: MICHELLE SLIKE, 207-453-5147

Associate in Applied Science Degree

First Semester		
BIO213	Anatomy and Physiology I	4
ENG101	College Composition	3
PSY101	Introduction to Psychology	3
PTS105	Self-Paced Medical Terminology for PTA	1
PTS107	Introduction to Kinesiology for the PTA	2
PTS111	Physical Therapy I	6
Second Semester		
BIO214	Anatomy and Physiology II	4
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
PTS112	Physical Therapy II	6
PTS116	Pathology	3
PTS117	Kinesiology for the PTA	3
Summer Session		
PTS120	PTA Clinical Education I	5
Third Semester		
MAT111	Quantitative Reasoning	3
PSY215	Developmental Psychology	3
PTS211	Physical Therapy III	6
PTS215	Neuroscience	3
Fourth Semester		
PTS216	Clinical Application	1
PTS218	PTA Clinical Education II	8
_____	Humanities Elective	3
	Total Credits	70

CRITERIA FOR GRADUATION

Students must complete 70 credits in the Physical Therapist Assistant program, achieve a minimum grade of "C," or "PASS" criteria, in all courses, and attain a final GPA of 2.00 or higher. Most states, including Maine, require licensure to practice as a physical therapist assistant. Graduates are eligible to sit for the Federation of State Boards of Physical Therapy Physical Therapist Assistant Licensing Examination.

PHYSICAL THERAPIST ASSISTANT
Associate in Applied Science Degree

DESCRIPTION

Physical Therapist Assistants, under the direction and supervision of a physical therapist, assist with specific components of treatment interventions. Their duties may include a variety of interventions including therapeutic exercises, functional training in both self-care, sports, and work reintegration, use of adaptive equipment, wound management, airway clearance, and the use of bio-physical agents. They attain their requisite skills through extensive academic and clinical education. The Physical Therapist Assistant program is competency-based and provides sequential learning experiences progressing from theoretical to applied using patient simulations in the laboratory and finally to actual patient treatments in clinical education centers. During clinical education courses, students may practice at facilities throughout Maine under the supervision of clinical instructors.

Applicants to the Physical Therapist Assistant program should be aware that physical therapist assistants are involved in the provision of direct care to patients. Under the supervision of a physical therapist, the physical therapist assistant may be responsible for selected procedural interventions, data collection, and communication, including written documentation associated with the completion of the intervention. The physical therapist assistant must also be able to make judgments and modifications regarding the safety and comfort of the patient having the intervention. Therefore, the student must have observational, communication, motor, cognitive, psychosocial, and behavioral abilities sufficient to carry out the above responsibilities. Technical accommodation can be made available for some disabilities in some of these areas, but a student must be able to perform in a reasonably independent manner.

For students to successfully complete the Physical Therapist Assistant program, they must be capable of performing with or without reasonable accommodation the following:

1. The physical ability to lift, move, and reposition patients; safely guard patients when standing and ambulating patients on level surfaces and stairs.
2. A visual acuity with corrective lenses to identify equipment calibrations, distinguish color changes of a patient's skin, and collect patient data.
3. The manual dexterity to manipulate instrument dials and perform various therapeutic interventions.
4. The tactile ability to palpate pulses and palpate specific components of the musculoskeletal system.
5. A hearing ability with auditory aids to understand the normal speaking voice without viewing the speaker's face, hear timers and call bells from patients, take/hear blood pressure and lung sounds with a stethoscope, and hear alarms and emergency signals.
6. Effective communication when explaining procedures, receiving information verbally and from written documentation; documenting in a patient's chart; exhibiting appropriate interpersonal skills; and recognizing and responding appropriately to nonverbal behavior of self and others.
7. The ability to function safely under stressful conditions and the ability to adapt to an ever changing environment inherent in clinical situations involving patient care.

PROGRAM MISSION

The program will produce entry-level physical therapist assistants who are capable of performing safe and ethical interventions under the direction and supervision of the physical therapist. Graduates will possess the skills and values necessary for continuing their professional growth to meet the needs of both a dynamic profession and health care delivery system.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

1. Graduates will be competent physical therapist assistants who work under the supervision of physical therapists.
    - Graduates will pass the FSBPT physical therapist assistant licensure exam.

- Graduates will implement appropriate physical therapy interventions based on the plan of care established by a licensed physical therapist.
- Graduates will understand the role of the physical therapist assistant and work in a manner consistent with their state practice act, APTA's Standards of Ethical Conduct for the Physical Therapist Assistant, and APTA's Values-Based Behaviors for the Physical Therapist Assistant.

2. Graduates will engage in lifelong learning activities.
   - Graduates will be able to self-assess their strengths and weaknesses.
   - Graduates will possess skills to explore and critically evaluate new information throughout their careers.
3. Graduates and the program will meet the human resources needs of the community.
   - Graduates will be employed in a variety of physical therapy settings.
   - The program will adjust the class size based on changes in the market.

ADMISSION REQUIREMENTS

Please refer to the General admission guidelines can be found on page 31 in the catalog. Additional admission requirements are as follows:

1. Clinical Job Shadows and Admission Essay
   - Completion of two job shadows.
2. Test of Essential Academic Skills (TEAS)
   - May be taken twice in an academic year (November to July).
   - Each re-take includes all subtest scores and may only be taken after a 45 day waiting period.
   - Test consists of Reading, Math, Science, and English and Language Usage.
   - The TEAS may only be taken three times in total (Original test plus two (2) additional retakes).
   - Free preparatory sessions are offered through the Learning Commons
   - Registration for the TEAS is completed in the MYKV Student Portal – Admission>My Application.
   - Required Minimum composite score 61st percentile rank.
     - Minimum reading 71st percentile rank.
     - Minimum math 65th percentile rank.
     - Minimum science 51st percentile rank.
     - Minimum english 62nd percentile rank.
3. Academic Standing
   - Students currently matriculated at KVCC must hold a cumulative GPA of 2.5 at the start of their first semester of program study. Students who are transferring must have achieved a cumulative GPA of 2.5 at their previous educational institution.

PROGRAM REQUIREMENTS

- All non-physical therapy courses required for the Physical Therapist Assistant program must be completed prior to the spring semester of the second year in order to participate in Clinical Education II (PTS218). General education courses supportive to the program may be taken prior to or concurrently with technical (PTS) courses. Students must achieve a minimum grade of "C" and/or "Pass" in all required general education and technical (PTS) courses in order to progress through the curriculum.
- Obtain an official PTA program polo shirt with a KVCC/SPTA name pin, stethoscope, sphygmomanometer, watch with a digital or sweep second hand, a gait belt, and a goniometer.
- Hold current Basic Life Support certification (CPR for the Healthcare Provider from the American Heart Association or Professional Rescuer from the American Red Cross).
- Meet requirements for Immunizations for Nursing & Allied Health Programs (see page 33).
- Have Internet access for online/Brightspace enhanced courses and/or discussions.

PROGRAM INFORMATION:

Criminal Background Checks

A criminal background check is required while enrolled in the Program and as a condition of employment in the field; health care facilities may limit or deny clinical privileges to those who have a prior or current criminal record and licensing boards may refuse to issue a license to practice based upon prior or current criminal offense(s).

Finger Printing

Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associate with securing finger prints.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Exposure to Latex

Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs

Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Clinical/Fieldwork Placement

Clinical education centers are statewide. Students may be assigned to a clinical education center that requires the student to commute a distance from home or assume a temporary residence near the center. Students are responsible for transportation and/or other living costs to and from clinical education centers.

Drug Testing

Drug testing may be a requirement of clinical education sites. Students will be responsible for the cost of such testing if required by the site.

PLUMBING & ENERGY SERVICES

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Learn to install, maintain, and troubleshoot modern heating, ventilating, and cooling systems

The Plumbing and Energy Services program is designed to prepare students for technician level positions in the rapidly growing field of installing, maintaining, and troubleshooting high efficiency plumbing, heating, ventilation, and air conditioning. Graduates will work on systems that control water, temperature, humidity, and air quality of enclosed spaces.

KVCC's Plumbing and Energy Services program is the only program of its kind in the State of Maine to offer plumbing, HVAC, solid fuel, geothermal, and heat pumps, in one comprehensive program.

"I always knew I wanted to go into heating. What I have learned at KVCC is that the world is changing and there are newer ways to heat than the old oil boilers."

"Some people think that solar thermal panels are really impractical here in New England. While studying heating and cooling at KVCC, I found out just how untrue this is. It is exciting to be on the cutting edge of a new industry that is taking over."

What Plumbing and Energy Services graduates do:

- JIT Plumber
- Resource conservation manager
- Energy management technician
- Journeyman oil burner technician
- HVAC technician

Career Opportunities:

- Educational facilities
- Small businesses
- Plumbing and heating firms
- Hospital facilities
- Manufacturing companies
- Industry plants

For further questions about this program, please contact:
est@kvcc.me.edu or go to: www.kvcc.me.edu/est

PLUMBING AND ENERGY SERVICES
DEPARTMENT CHAIR: ROBERT MCLELLAN, 207-453-5817

Associate in Applied Science Degree

First Semester			*Third Semester*		
BPT125*	Construction Print Reading	3	ETL107*	Electrical Principles for HVAC	4
MAT114	Technical Math	3	HAC106*	Heat Pumps and Air Conditioning	3
PLB101*	Plumbing Fundamentals	6	HAC200*	Introduction to Natural Gas and Propane	1
COM104	Introduction to Communication OR		HAC201*	Heating System Fundamentals	6
COM105	Interpersonal Communication	3	_____	Social Science Elective	3
Second Semester			*Fourth Semester*		
ENG108	Technical Writing	3	ETL108*	HVAC Electronics and Controls	3
PLB201*	Advanced Plumbing Applications	6	HAC202*	Advanced Heating Applications	6
PLB210*	Plumbing Codes	3	HAC205*	Propane and Natural Gas	3
MAT214	Technical Math II	3	_____	Humanities Elective	3
				Total Credits	62

Plumbing Certificate

First Semester			*Second Semester*		
BPT125*	Construction Print Reading	3	ENG108	Technical Writing	3
MAT114	Technical Math	3	PLB201*	Advanced Plumbing Applications	6
PLB101*	Plumbing Fundamentals	6	PLB210*	Plumbing Codes	3
				Total Credits	24

Energy Services Certificate

First Semester			*Second Semester*		
ETL107*	Electrical Principles for HVAC	4	ETL108*	HVAC Electronics and Controls	3
HAC200*	Introduction to Natural Gas and Propane	1	HAC106*	Heat Pumps and Air Conditioning	3
HAC201*	Heating System Fundamentals	6	HAC202*	Advanced Heating Applications	6
MAT114	Tech Math I	3	HAC205*	Propane and Natural Gas	3
				Total Credits	29

CRITERIA FOR GRADUATION

Students must complete 62 credits in the Plumbing and Energy Services program, 24 credits in the Plumbing certificate, or 29 credits in the Energy Services certificate and achieve a minimum grade of "C" in designated common and program core courses (*). Students must attain a final GPA of 2.0 or higher.

PLUMBING AND ENERGY SERVICES
Associate in Applied Science Degree, Certificates

DESCRIPTION

The Plumbing and Energy Services program offers a two-year Associate in Applied Science degree, a Plumbing certificate, and an Energy Services certificate. The program is designed to prepare students for technician level positions in the rapidly growing field of installing, maintaining, and troubleshooting high efficiency plumbing, heating, ventilating, and cooling systems in buildings. Graduates will work on systems that control water, temperature, humidity, and air quality of enclosed spaces within building structures. They will install various types of equipment used to control human comfort in residential, commercial, industrial, and institutional environments.

This program will give the technician a working knowledge of plumbing and HVAC system building concepts and energy efficient design principles. Additionally, program graduates are eligible for State of Maine licensing in plumbing, oil burner, solid fuel, and propane and natural gas. Students can also pursue the EPA refrigeration certification. Combined with the appropriate additional coursework, graduates will also have the necessary educational background and licenses needed for advancing into a career in renewable and sustainable energy systems.

Students are required to have the tools and equipment necessary to properly complete the hands-on portion of the program. The required tools and equipment will be in the range of $1,200 - $1,400.

PROGRAM MISSION

The Plumbing and Energy Services program provides graduates with the technical background and the manual skills necessary for careers in the installation and maintenance of modern, energy efficient, plumbing, heating, ventilating, and air conditioning systems. Graduates are critical thinkers and are able to troubleshoot problems in residential, commercial, or industrial environments. The program provides students with the ability to communicate effectively using standard methods of communication.

Recognizing the need for lifelong learning, the Plumbing and Energy Services program helps students achieve various professional and personal goals that may arise over a lifetime, including the opportunity to transfer to other college and university technical programs. The program strives to maintain a high academic standard for teaching and learning through a continuous process of self-assessment and improvement.

Students are exposed to a learning environment that is safe and supportive of student growth and achievement. Using modern training equipment, innovative teaching methods and highly trained faculty members, the Plumbing and Energy Services program endeavors to fully prepare students for a variety of building energy system occupations.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Plumbing and Energy Services program, graduates are expected to:

1. Practice the skills of the profession in a conscientious, responsible, and accountable manner while recognizing the need to continue to expand their technical knowledge and skills.
2. Communicate effectively and listen and respond appropriately to a variety of residential, commercial and industrial applications.
3. Think critically and use their acquired analytical skills to solve problems encountered in a residential, commercial or industrial environment.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

PRECISION MACHINING TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE DEGREE AND CERTIFICATE PROGRAMS

Develop skills to design and make fine metal parts using computer numerical control machines

Virtually all manufactured products depend on America's precision machining industry at some point during their production. As new technologies continue to shape the manufacturing industry, companies have an immediate demand for machinists with college-level skills. A precision machinist (PMT) works very much like a sculptor, transforming raw material into something of great value. Additionally, the one-year welding certificate is designed to provide entry level welding skills.

"I know that sitting in a classroom is not for me, but the PMT program was so much more. I did real things that were hands-on that gave me confidence to build real stuff. KVCC's PMT program was challenging, but working in the lab was addictive. The better I got at making things, the more I wanted to do it."

What Precision Machining Technology graduates do:

- Remove metal with lathes, mills, and drills
- Fabricate metal-based parts
- Use software to run CNC-based equipment
- Calculate and measure angles
- Design products to specifications
- Innovate better methods
- Observe and enforce safety procedures
- Maintain machines

Career Opportunities:

- Manufacturing plants
- Small businesses
- Fabrication plants
- Machine shops
- Automotive companies
- Technical training centers

For further questions about this program, please contact:
pmt@kvcc.me.edu or go to: www.kvcc.me.edu/pmt

PRECISION MACHINING TECHNOLOGY
DEPARTMENT CHAIR: JEFFREY GODIN, 207-453-5151

Precision Machining Technology Operator Certificate

First Semester		
PTM101*	Precision Machining I	7
PMT111*	Precision Machining II	7
BPT126*	Technical Print Reading & Sketching	3
	Total Credits	17

Precision Machining Technology Machinist Certificate

First Semester			Second Semester		
PTM101*	Precision Machining I	7	PMT110*	Introduction to Master Cam	3
PMT111*	Precision Machining II	7	PTM201*	Precision Machining III	7
BPT126*	Technical Print Reading & Sketching	3	PMT125	Geometric Dimensioning & Tolerancing	3
MAT114*	Technical Math	3	ENG108	Technical Writing	3
				Total Credits	36

Associate in Applied Science Degree

First and Second Semester			PMT211*	Fundamentals of Precision	
*	Precision Machining Certificate			Machining Tech. IV	7
	(Prerequisite for AAS program)	36		Total Credits	61
Third Semester					
PMT115	Intro to Solidworks	3			
MAT214*	Technical Math II	3			
COM104	Introduction to Communication OR				
COM105	Interpersonal Communication	3			
_____	General Education Elective	3			
_____	Social Science Elective	3			
_____	Humanities Elective	3			
Fourth Semester					

CRITERIA FOR GRADUATION

Students in the Precision Machining Technology program must complete 61 credits for an Associate Degree, or 36 credits for a Certificate, or 17 credits for an Operator's Certificate, and achieve a minimum grade of "C" in all core courses (*), and attain a final GPA of 2.0 or higher.

PRECISION MACHINING TECHNOLOGY
Associate in Applied Science Degree, Certificate

DESCRIPTION

The Precision Machining Technology program offers a two-year Associate in Applied Science degree, a one-year Machinist Certificate, and a CNC Operator Certificate. All three offerings are stackable to allow a pace convenient to students. The program is designed to prepare traditional and non-traditional students for entry level positions.

Students will be trained in the conventional areas (lathe, mills, drills and grinders}, as well as in Computer Numerical Control (CNC). A working knowledge of the machinery's handbook will provide graduates the knowledge to be contributors in any environment they work. The full curriculum will include both technical and general courses necessary for students to successfully compete in the work environment. A laptop computer with detailed specifications (other than a Mac) is required for the first and second years. Students will be using Mastercam CAD/CAM software extensively for creating CNC programs. Solidworks 3D modeling software is used to design and build working models of projects. Class schedules are designed for students to earn while they learn. A combination of hands on, Hybrid, and online classes create an opportunity for tremendous earning potential while working within the industry. 100% job placement is normally obtained within the industry after successful completion.

PROGRAM MISSION

The Precision Machining Technology program is committed to providing the skills, knowledge, and understanding needed to obtain entry-level employment in the metal-products industry. Advanced fields such as programming, engineering, and management are all possible with the AAS degree and field experience.

The program provides communication skills and the ability to recognize the need for lifelong learning. Using high academic standards in a learning environment that is safe and supportive, the participant is expected to develop the necessary skills for a variety of occupations in the metal trades industry.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Precision Machining Technology program, a graduate is expected to:

1. Practice the skills needed to be successful in the metal working industry and to be safety conscious and accountable to himself/herself and the safety of others while expanding his/her knowledge in his/her chosen profession.
2. Communicate clearly and effectively while responding appropriately to a variety of processes common to the precision machining industry.
3. Be able to work with others and think as a team member to solve problems that could affect long-range outcomes of specific projects.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

PSYCHOLOGY

ASSOCIATE IN SCIENCE DEGREE PROGRAM

Engage in innovative and integrative thinking

When someone hears the word "Psychologist" a few images may come to mind. A researcher, a teacher, a person who provides mental health treatment. While these are true definitions of the field of Psychology, the scope of the field of study is much broader. The Associate in Science in Psychology program provides students with the opportunity to explore one of the most diverse and exciting fields of study in the world. Psychology attempts to describe, explain, predict, and at times, control the circumstances that impact our day-to-day lives. Psychologists study brain science, cognition, climate and the environment, human development, forensics, industrial and other work-related factors, teaching and learning, rehabilitation, social interaction, and communication.

"The greatest discovery of my generation is that human beings can alter their lives by altering their attitudes of mind." William James (1842-1910) President of the American Psychological Association in 1894

What Psychology graduates do:

- Predict and understand the behavior of individuals and groups
- Understand how to use and interpret data
- Evaluate the legitimacy of claims about behavior
- Know how memory and learning function
- Have insight into problematic behaviors
- Demonstrate the capacity to adapt to change
- Manage difficult situations and high stress environments

Career Opportunities:

- Psychiatric nursing assistant
- Youth counselor
- Case technician
- Human services assistant
- Home care aide
- Addiction rehabilitation assistant

For further questions about this program, please contact:
psy@kvcc.me.edu or go to: www.kvcc.me.edu/psy

PSYCHOLOGY
DEPARTMENT CHAIR: MARK KAVANAUGH, 207-453-3689

Associate in Science Degree

First Semester		
BIO101	Biology I OR	
BIO115	Human Biology OR	
BIO119	Survey of Anatomy and Physiology	4
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
ENG101	College Composition	3
MAT111	Quantitative Reasoning	3
PSY101*	Introduction to Psychology	3
PSY102*	Introduction to Psychology	0
Second Semester		
ENG121	Introduction to Literature	3
PSY200*	History of Psychology	3
PSY204*	Abnormal Psychology	3
PSY215*	Developmental Psychology	3
SOC101*	Introduction to Sociology	3
Third Semester		
ENG218	Advanced Academic Writing	3
PSY209*	Biopsychology	3
PSY224*	Statistics for Psychology	4
PSY2XX	200 Level PSY Elective	3
_____	Pathway Elective PSY, SOC OR MHT	3
Fourth Semester		
PSY234*	Research Methods	4
_____	Fine Arts Elective	3
_____	Pathway Elective PSY SOC OR MHT	3
_____	Pathway Elective PSY SOC OR MHT	3
_____	Pathway Elective PSY SOC OR MHT	3
	Total Credits	63

CRITERIA FOR GRADUATION

Completion of 63 credits, and a grade of "C" or better in all core courses (*) and a cumulative GPA of 2.0, or better, are required for graduation.

TRANSFER INFORMATION

Nearly every four-year institution in the State of Maine (and beyond) offers a degree in Psychology. The core courses in the Associate of Science in Psychology have been selected to ensure maximum alignment with the standard first two-year requirements in many of these programs. The development of specific articulation agreements with these institutions is continuous. Please refer to the program website for information on specific agreements for transfer that we have created with various institutions.

PSYCHOLOGY
Associate in Science Degree

DESCRIPTION

The Associate in Science in Psychology is a program designed to provide students with an interest in Psychology the opportunity to explore the breadth and depth of different areas of study that fall into the field of Psychology. The program core requirements have been selected to provide a broad overview of the major areas and focal points of the field and to align with the basic core requirements of Psychology majors at 4-year institutions.

PROGRAM MISSION

The Associate in Science in Psychology program provides students the opportunity to engage in career exploration within the broad field of Psychology and Social Sciences, to develop critical thinking and problem solving skills related to the human condition, to develop "psychological literacy" skills related to understanding circumstances and diversity in explaining human behavior, and to develop scientific reasoning skills applicable to all fields of human activity.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Psychology program, a graduate is expected to:

- Describe key concepts, principles, and overarching themes in psychology.
- Develop a working knowledge of psychology's content domains.
- Describe applications of psychology.
- Apply scientific reasoning to interpret psychological phenomena.
- Demonstrate psychology information literacy.
- Interpret, design, and conduct basic psychological research.
- Incorporate sociocultural factors in scientific inquiry.
- Apply ethical standards to evaluate psychological science and practice.
- Discuss values that build community at local, national, and global levels.
- Demonstrate effective written, presentation and teamwork skills.
- Establish and engage in a process of continued professional growth.
- Demonstrate project-management skills.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

RADIOLOGIC TECHNOLOGY

ASSOCIATE IN SCIENCE DEGREE PROGRAM

Create images essential to medical diagnoses

Radiologic Technologists produce images of the body using radiation and imaging technology. These x-ray images help physicians diagnose and treat a variety of medical conditions. The accurate production of such images is absolutely essential in modern medicine. Additional certifications for graduates may include: CT, Mammography, Ultrasound, MRI, Nuclear Medicine, Radiation Therapy, and Cardiovascular Procedures.

Accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182
Telephone: 312-704-5300; Email: mail@jrcert.org

"I transferred into KVCC's Radiologic Technology program and have the unique experience of comparing two college's Radiology programs. I found KVCC's program (including the clinical sites) to be 100% more thorough, welcoming, and encouraging. The instructors were experienced, helpful, approachable, and truly interested in my performance and future job placement."

What Radiologic Technology graduates do:

- Assist patients during imaging process
- Ensure patient safety
- Assist in the preparation and administration of contrast media
- Evaluate the quality of images
- Ensure proper infection control
- Perform diagnostic imaging in hospitals and clinics

Career Opportunities:

- Physician offices
- Travel companies
- Clinics
- Mobile imaging centers
- Hospitals

For further questions about this program, please contact:
rad@kvcc.me.edu or go to: www.kvcc.me.edu/rad

RADIOLOGIC TECHNOLOGY
DEPARTMENT CHAIR: JENNIFER RINES, 453-5143

Associate in Science Degree

First Semester		
BIO213	Anatomy and Physiology I	4
MAT111	Quantitative Reasoning	3
RAD101	Radiographic Positioning I	3
RAD111	Clinical Practicum I	3
RAD121	Patient Care	3
Second Semester		
BIO214	Anatomy and Physiology II	4
PHY213	Radiographic Physics	3
RAD102	Radiographic Positioning II	3
RAD112	Clinical Practicum II	4
RAD131	Radiographic Exposure I	3
Summer Session (8 Weeks)		
ENG101	College Composition	3
RAD103	Radiographic Positioning III	2
RAD113	Clinical Practicum III	4
Third Semester		
BIO216	Pathophysiology	3
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
PSY101	Introduction to Psychology	3
RAD211	Clinical Practicum IV	5
RAD214	Ethics and Quality Assurance	1
RAD220	Radiographic Exposure II	2
Fourth Semester		
RAD212	Clinical Practicum V	6
RAD216	Introduction to Imaging Modalities	2
RAD218	Radiation Biology and Protection	2
RAD222	Senior Seminar for Radiologic Technology	1
_____	Humanities Elective	3
	Total Credits	73

CRITERIA FOR GRADUATION

Students must complete 73 credits in the Radiologic Technology program, achieve a minimum grade of "C" in all courses, and attain a final GPA of 2.0 or higher.

RADIOLOGIC TECHNOLOGY
Associate in Science Degree

DESCRIPTION

The Radiologic Technology program provides education and training to individuals interested in the field of medical imaging. A Radiologic Technologist is a scientific artist who works as part of the health care team. With this art, they contribute to the diagnostic treatment of the patient. They assist the radiologist and are responsible for the accurate demonstration of body structures on a radiograph or other image receptor. The Radiologic Technologist determines the proper exposure factors, manipulates medical imaging equipment, and evaluates the radiographic images for quality assurance. The Radiologic Technologist assures patient protection and comfort as well as patient education during imaging procedures.

PROGRAM MISSION

The mission of the Radiologic Technology program at Kennebec Valley Community College is to educate and train competent Radiologic Technologists who will provide service to patients using safe radiation practices to produce the required images needed for medical diagnosis. The program offers students experience with the most recent imaging advancements and new technological modalities in the medical field.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

1. Goal: Students will be clinically competent.
   - Student Learning Outcome: Students will demonstrate appropriate positioning skills
   - Student Learning Outcome: Students will select appropriate technical factors
   - Student Learning Outcome: Students will practice radiation safety.
2. Goal: Students will demonstrate communication skills.
   - Student Learning Outcome: Students will demonstrate oral communication skills
   - Student Learning Outcome: Students will demonstrate written communication skills.
3. Goal: Students will develop critical thinking skills.
   - Student Learning Outcome: Students adapt routine procedures for non-routine patients.
   - Student Learning Outcome: Students will critique images to determine diagnostic quality.
4. Goal: Students will model professionalism.
   - Student Learning Outcome: Students will demonstrate work ethics.
   - Student Learning Outcome: Students will summarize the value of lifelong learning.

ADMISSION REQUIREMENTS

Please refer to the General Admission requirements provided in the Admissions section of this catalog. Additional admission requirements are as follows:

1. Test of Essential Academic Skills (TEAS)
   - May be taken twice in an academic year (September to August).
   - Each re-take includes all subtest scores and may only be taken after a 45 day waiting period.
   - Test consists of Reading, Math, Science, and English and Language Usage.
   - The TEAS may only be taken three times in total (Original test plus two (20 additional re-takes).
   - Free preparatory sessions are offered through the Learning Commons
   - Registration for the TEAS is completed in the MYKV Student Portal – Admission>My Application.
   - Required Minimum composite score 64 percentile rank.
     - Minimum reading 73rd percentile rank.
     - Minimum math 69th percentile rank.
     - Minimum science 54th percentile rank.
     - Minimum english 63rd percentile rank
2. Academic Standing
   - Students currently matriculated at KVCC must hold a cumulative GPA of 2.5 at the start of their first semester of program study. Students who are transferring must have achieved a cumulative GPA of 2.5 at their previous educational institution.
3. For acceptance into the RAD program, applicants must attend the required information session.
4. Immunization and CPR Requirements (Noted on the next page).

IMMUNIZATION AND CPR REQUIREMENTS

1. Current CPR Certification - Basic Life Support (BLS) from the American Heart Association (AHA) OR American Red Cross (ARC).
2. Proof of immunization against TDAP within the last ten years.
3. Proof of immunization against Measles, Mumps, and Rubella (MMR). If non-immune, two doses MMR vaccine is required for persons born after 1957.
4. Proof of immunization against Hepatitis Series B and Titre (6+ month process). If non-immune, a waiver is required.
5. Proof of immunization against Chicken pox with a Varicella Titre. If non-immune, two doses of Varicella virus vaccine is required.
6. An influenza vaccine is required annually in the fall by health care facilities.

PROGRAM INFORMATION

Criminal Background Checks

Applicants to certain programs need to note that a criminal background check will likely be required while enrolled in the program or as a condition of employment in the field. Certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those students who have a prior or current criminal record.

- Should a clinical facility refuse to permit a student to complete a clinical rotation based upon the student's criminal background check, the student may not be able to complete the program. In the event a student is denied placement at a clinical site the college will likely be required to enter an academic dismissal from the program.
- Additionally, certain licensing and credentialing boards may refuse to issue a license to practice based upon prior or current criminal offense (s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, contact the appropriate Department Chair.

Finger Printing

Finger printing may be required by certain clinical or fieldwork placements. Students are responsible for the cost associate with securing finger prints.

Infectious Diseases

Applicants who consider a career in Nursing or the Allied Health professions should be aware that during the course of their education and subsequent employment, they will be working in situations where exposure to infectious diseases is probable. This is an occupational risk for all health care workers. Persons should not become health care workers unless they recognize and accept this risk. Proper education and strict adherence to well-established infection control guidelines, however, can reduce the risk to a minimum. Thorough education in infection control procedures is an integral part of each health care program.

Exposure to Latex

Additionally, applicants should be aware that exposure to natural rubber latex (NRL) is likely. Individuals exposed to NRL products may develop allergic reactions such as skin rashes; hives; nasal, eyes, or sinus symptoms; and, rarely, shock.

Costs

Costs associated with required immunizations, criminal background checks, finger printing (when applicable) and admission testing are the responsibility of the applicant.

Clinical/Fieldwork Placement

Students may be scheduled for day, evening and night clinical/fieldwork experiences in some programs. It is expected that the student is able to make the necessary arrangements in order to complete all scheduled times. Placement is State-wide. The student is responsible for all travel and/or living related to the clinical or fieldwork experience.

Drug Testing

Drug testing may be a requirement of clinical/fieldwork education sites. Students will be responsible for the cost of such testing if required by the site.

RESPIRATORY THERAPY

ASSOCIATE IN SCIENCE DEGREE PROGRAM

Facilitate and monitor breathing for patients in emergency and surgical care settings

A Respiratory Therapist (RT) treats people who have breathing or cardiopulmonary difficulties, such as premature infants or adults who have lung diseases such as asthma and COPD. They consult with doctors and develop a treatment plan. A Respiratory Therapist cares for patients in Intensive Care Units on life support.

Accredited by the Commission on Accreditation for Respiratory Care (COARC) 1248 Harwood Road, Bedford, TX 76021-4244

Telephone: 817-283-2835, Website: www.coarc.com

"My instructors in the RT program were excellent.

I can't say enough about their level of education and how it has provided me with the tools necessary to be a competent Respiratory Therapist."

What Respiratory Therapy graduates do:

- Analyze blood specimens
- Manage artificial airways/ventilators
- Diagnose lung/breathing disorders
- Recommend/administer treatments
- Educate patients and families to manage lung diseases

Career Opportunities:

- Hospitals
- Skilled Nursing Facilities
- Physicians' Offices
- Medical Centers
- Non-traditional Job Sites
- Home Care

For further questions about this program, please contact:
rt@kvcc.me.edu or go to: www.kvcc.me.edu/rt

RESPIRATORY THERAPY
DEPARTMENT CHAIR: DANIELLE SCHRYVER, 207-453-5175

Associate in Science Degree

First Semester		
BIO213	Anatomy and Physiology I	4
CHE112*	General Chemistry OR	
CHE113*	Introduction to Biochemistry (or higher)	3/4
RTS111	Introduction to Respiratory Care	5
RTS117	Cardiopulmonary Anatomy & Physiology	3
Second Semester		
BIO214	Anatomy and Physiology II	4
ENG101	College Composition	3
MAT111	Quantitative Reasoning	3
RTS112	Therapeutic Modalities in Respiratory Care	5
RTS121	Cardiopulmonary Diagnostics	3
Summer Session (6 Weeks)		
PSY101	Introduction to Psychology	3
RTS120	Clinical Practicum I	3
RTS127	Respiratory Pharmacology	2
Third Semester		
RTS223	Mechanical Ventilation	3
RTS225	Perinatal and Pediatric Respiratory Care	3
RTS226	Cardiopulmonary Pathology	3
RTS229	Clinical Practicum II	5
_____	Social Sciences Elective	3
Fourth Semester		
COM104	Introduction to Communication OR	
COM105	Interpersonal Communication	3
RTS224	Concepts in Critical Care	3
RTS230	Clinical Practicum III	5
RTS231	Respiratory Care Senior Seminar	1
_____	Humanities Elective	3
	Total Credits	73/74

CRITERIA FOR GRADUATION

Students must complete 73/74 credits in the Respiratory Therapy program, achieve a minimum grade of "C" in all courses, and attain a final GPA of 2.0 or higher. Upon successful completion of the program, graduates are eligible to sit for credentialing examinations administered by the National Board for Respiratory Care. Graduates are eligible to apply for a Maine license to practice Respiratory Care.

RESPIRATORY THERAPY
Associate in Science Degree

DESCRIPTION
This program prepares students to become qualified members of the respiratory care profession. Students are provided the opportunity to acquire knowledge, skills, and behaviors required to evaluate, treat, and manage patients with respiratory diseases and other cardiopulmonary disorders. Throughout the program the student will develop and refine critical thinking skills necessary for implementation of respiratory care protocols and clinical decision making.

The student will develop effective written and verbal communication skills with patients, families and various members of the healthcare team. Upon completion of the program the student will be able to apply evidence-based medicine to clinical practice and be a contributing member of the collaborative healthcare team. The educational foundation provided will prepare the respiratory therapy graduate for new and emerging responsibilities in a changing healthcare environment.

ADMISSION REQUIREMENTS
Please refer to the General Admission requirements provided in the Admissions section of this catalog. Additional admission requirements are as follows:

1. Test of Essential Academic Skills (TEAS)
   - May be taken twice in an academic year (November to July).
   - Each re-take includes all subtest scores and may only be taken after a 45 day waiting period.
   - Test consists of Reading, Math, Science, and English and Language Usage.
   - The TEAS may only be taken three times in total (Original test plus two (2) additional retakes).
   - Free preparatory sessions are offered through the Learning Commons
   - Registration for the TEAS is completed in the MYKV Student Portal – Admission>My Application.
   - Required Minimum composite score 61st percentile rank.
     - Minimum reading 71st percentile rank.
     - Minimum math 65th percentile rank.
     - Minimum science 51st percentile rank.
     - Minimum english 62nd percentile rank.
2. Chemistry is not a requirement for admission to the RT program; it is strongly recommended (grade "C" or better):
   - High school chemistry with a lab, OR
   - Adult education chemistry with a lab, OR
   - College chemistry with a lab

PROGRAM MISSION
The mission of the Respiratory Therapy Program at Kennebec Valley Community College is to educate and train competent Respiratory Therapists who will provide patients in all health care settings with appropriate and quality respiratory care services. The program is committed to providing students with a foundation of knowledge, skills, and behaviors that will carry them into the work force and lifelong learning.

EDUCATIONAL OUTCOMES
Upon successful completion of the Respiratory Therapy program, the graduate is expected to:

1. Be prepared and competent to provide respiratory care services within his/her scope of practice.
2. Demonstrate professional behaviors that allow him/her to function ethically and responsibly by showing tolerance and respect for diversity of culture, age, and gender.
3. Demonstrate effective communication with patients, families, and other members of the health care community.
4. Be capable of critical thinking and problem solving within his/her scope of professional practice.
5. Participate in activities that foster professional growth as lifelong learners.

ADDITIONAL INFORMATION AND PROGRAM REQUIREMENTS

Applicants to certain programs should be aware that a criminal background check will be required while they are enrolled in the program, or as a condition of employment in the field; certain internship and/or practicum sites, such as health care facilities, may limit or deny clinical privileges to those who have a prior or current criminal record; and certain licensing boards may refuse to issue a license to practice based upon prior or current criminal offense(s). To learn more about whether the program or profession in which you are interested has such requirements or limitations, please see the Department Chair.

Students may be scheduled for day, evening, and night clinical experiences throughout the program. It is expected that students will be able to make the necessary arrangements in order to complete all scheduled rotations. Students must assume responsibility for transportation and/or living costs to and from statewide clinical sites.

All respiratory therapy courses are Brightspace enhanced courses and some of these courses may be offered in an online format. Ideally, students should have off-campus Internet access in order to complete online course activities.

Once accepted into the program, the student must:

1. Provide proof of immunization against tetanus, measles, mumps, rubella, varicella, Hepatitis B, and a negative test for tuberculosis (PPD). Students who do not furnish proof of adequate immunization will be administratively dismissed from the program.
2. Provide proof of annual PPD after the initial negative PPD.
3. Provide proof of flu immunization annually while participating in the clinical component of the program.
4. Hold current Basic Life Support certification (CPR for the Healthcare Provider from the American Heart Association or Professional Rescuer from the American Red Cross).

CAREER OPPORTUNITIES

- Hospitals
- Skilled Nursing Facilities
- Physicians' Offices
- Medical Centers
- Non-traditional Job Sites
- Home Care

SUSTAINABLE CONSTRUCTION

CERTIFICATES AND ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAMS

Tradition and innovation at the heart of Maine building practices

The two-year Sustainable Construction program provides students with the technical knowledge and hands-on skills needed to pursue employment across many areas of the construction industry including carpentry, project management, design, building inspection, and renewable energy installation. The coursework is designed to fast track graduates to leadership positions from construction supervisor to business owner. Students learn through a design/build process that combines conventional stick framing and the millennia-old craft of timber frame joinery with the latest in building systems technology. We challenge students to think about how buildings in New England can be constructed at a higher but achievable level of quality and energy efficiency. Key sustainability concepts include sourcing local materials, reduction of energy loads, optimization of systems, and the generation of on-site renewable energy.

"It's been a great program for me so far. I didn't think we would get into the shop as soon as we did. That was great."

What Sustainable Construction professionals do:

- Conventional construction, timber framing, or green building
- Finish carpentry and historic restoration carpentry
- Design and drafting in architecture or engineering firms
- Installation of renewable energy and weatherization

Career Opportunities:

- Contracting firms on a project management or design path
- Small timber frame or conventional construction businesses
- Housing non-profits and building inspection agencies
- Renewable energy and weatherization services

For further questions about this program, please contact: sdb@kvcc.me.edu or go to: www.kvcc.me.edu/pages/sustainable-design-build

SUSTAINABLE CONSTRUCTION
PROGRAM COORDINATOR: ANDREW SOULE, 453-3813

Framing and Craftsmanship Certificate

First Semester			*Second Semester*		
MAT114	Technical Math	3	ENG108	Technical Writing	3
SDB101*	Tool Use, Maintenance, and Safety with OSHA 10	3	HIS205	Architectural Style and Construction in New England	3
SDB103*	Stick Framing and Building Concepts I	3	SDB102*	Timber Frame Craftsmanship I	3
SDB107*	Stick Framing and Building Concepts II	3	SDB104*	Timber Frame Craftsmanship II	3
SDB108*	CAD Drafting and Blueprint Reading	3	SDB105*	3D Modeling for Construction	3
				Total Credits	30

Carpentry and Building Science Certificate

First Semester			*Second Semester*		
MAT114	Technical Math	3	SDB102*	Timber Frame Craftsmanship I	3
SDB101*	Tool Use, Maintenance, and Safety with OSHA 10	3	SDB204*	Building Systems I	5
SDB103*	Stick Framing and Building Concepts I	3	SDB205*	Building Systems II	5
SDB104*	Timber Frame Craftsmanship II		SDB209*	Construction Supervisor and Business Basics	3
	OR			Total Credits	31
SDB107*	Stick Framing and Building Concepts II	3			
SDB108*	CAD Drafting and Blueprint Reading	3			

Associate in Applied Science Degree

First Semester			*Third Semester*		
MAT114	Technical Math	3	COM105	Interpersonal Communication	3
SDB101*	Tool Use, Maintenance, and Safety with OSHA 10	3	SDB202*	Residential Building Codes	3
SDB103*	Stick Framing and Building Concepts I	3	SDB207*	Finish Carpentry	2
SDB107*	Stick Framing and Building Concepts II	3	SDB211*	Restoration Carpentry	2
SDB108*	CAD Drafting and Blueprint Reading	3	WSC110	Wood Science	3
Second Semester			_____	Social Sciences Elective	3
ENG108	Technical Writing	3	*Fourth Semester*		
HIS205	Architectural Style and Construction in New England	3	SDB204*	Building Systems I	5
SDB102*	Timber Frame Craftsmanship I	3	SDB205*	Building Systems II	5
SDB104*	Timber Frame Craftsmanship II	3	SDB209*	Construction Supervisor and Business Basics	3
SDB105*	3D Modeling for Construction	3	SDB210*	Green Building Codes, Standards, and Certification Programs	1
				Total Credits	60

CRITERIA FOR GRADUATION

Students must complete 60 credits in the Sustainable Construction Associate in Applied Science degree program, 30 credits in the Framing and Craftsmanship Certificate program, or 31 credits in the Carpentry and Building Science Certificate program, and achieve a minimum grade of "C" in all core courses (*). Students must attain a final GPA of 2.0 or higher.

SUSTAINABLE CONSTRUCTION
Associate in Applied Science Degree

DESCRIPTION

The Sustainable Construction program provides students with the technical knowledge and hands-on skills needed to gain employment across many areas of the construction industry. Timber frame carpentry with its fine joinery techniques is the framework through which our students develop as craftsmen while our complimentary stick framing course acclimates students to efficient, industry-standard framing methods. During the second year, students will take specialized courses in both finish carpentry and historic restoration. Basic hand and power tool proficiency, proper maintenance, and safe work practices are stressed at all times.

In addition to learning carpentry in the largest framing and joinery lab in New England, students survey all aspects of mechanical and renewable energy systems from foundations and electrical to solar design and geothermal energy. This program aims to create knowledgeable, flexible workers who are ready for a variety of employment opportunities. Highly valued skills in design, verbal and written communication, applied math, and small business basics are taught in order to graduate critical thinkers who are able to troubleshoot problems in the building industry.

A cornerstone of this curriculum is our emphasis on sustainability and the need to raise design and build standards throughout Maine and New England. Our program reinforces the importance of considering a structure's lifespan through smart design, structural integrity, and historic preservation. The value of sourcing materials locally, designing a tight, energy efficient building envelope, and generating renewable energy are all practically examined. All of this is put into the context of the American building and carpentry tradition through the Architectural Style and Construction in New England course.

PROGRAM MISSION

To prepare students to be lifelong learners and help them achieve various professional and personal goals that may arise over a lifetime. Upon graduation, students will be poised to enter the workforce as entry-level craftsmen, builders, and technicians or transfer to other college and university programs. Our graduates will develop as skilled professionals who value both tradition and innovation at the heart of sustainable building practices today, and who actively participate in reinvigorating Maine's construction industry.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Sustainable Construction program, a graduate is expected to:

1. Practice the skills of the profession in a conscientious, responsible, and accountable manner while recognizing the need to continue to expand their technical knowledge and skills.
2. Communicate effectively while listening and responding appropriately to a variety of building construction situations.
3. Think critically and use their acquired analytical skills to solve problems encountered in a building construction environment.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

TRADE & TECHNICAL OCCUPATIONS

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAM

Are you in an apprentice program? Get a college degree and become a journeyman

The Trade and Technical Occupations program is a highly individualized program of study that takes into account the nature of the apprenticeship program someone is in. As many as 24 credit hours of academic work can be applied towards this degree from an apprenticeship program experience.

Students build a small portfolio that documents their apprenticeship. Students then take trades and general education classes to complete their degree.

"I learned about the Technical Trades degree at KVCC and thought that was a great opportunity. Since I am doing this, now I can be a journeyman and a college graduate too. In a few years I will be well-positioned to be a supervisor by experience and by my credentials."

What Trade and Technical Occupations graduates do:

- Continue work in the trades

Career Opportunities:

- Trade industries
- Small companies
- Manufacturing plants
- Family businesses
- Construction companies
- Governmental agencies

For further questions about this program, please contact:
tto@kvcc.me.edu or go to: www.kvcc.me.edu/tto

TRADE & TECHNICAL OCCUPATIONS
DEPARTMENT CHAIR: MICHAEL TARDIFF, 207-453-5002

Associate in Applied Science Degree

The Chart below indicates minimum credit requirements in the three (3) blocks. Credits may increase based on exact course selections as some courses carry more credit value.

Students may use this sheet to list courses and track progress.

Technical Specialty Courses (Apprenticeship Training)

_____	3
_____	3
_____	3
_____	3
_____	3
	18-24 credits required

Related Technical Courses

Trade and Technical Occupations majors may elect technical courses, in consultation with the Academic Dean or designee, offered by College, provided that prerequisites are met.

_____	3
_____	3
_____	3
_____	3
_____	3
_____	3
_____	3
	15-21 credits required

General Education Courses

Coursework in communication and/or literature; and/or social sciences; and/or humanities; and/or fine arts (12 credits) and coursework in business; and/or mathematics; and/or science (9 credits)

_____	3
_____	3
_____	3
_____	3
_____	3
_____	3
_____	3
	21 credits required

Total Requirements	60

TRADE & TECHNICAL OCCUPATIONS
Associate in Applied Science Degree

COLLEGE CREDITS FOR APPRENTICESHIP TRAINING

Kennebec Valley Community College offers an Associate in Applied Science degree for people in Trade and Technical Occupations. This program is designed to recognize the proficiency of people who are enrolled in, or have completed, a registered apprenticeship program (i.e. journeyperson status).

Women and men who have completed or are currently enrolled in a registered apprenticeship program or a formal program approved by the College may apply and simultaneously complete both their training program and degree requirements.

A registered apprenticeship program is approved by the Maine State Apprenticeship and Training Council or the U.S. Department of Labor, Bureau of Apprenticeship and Training.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.


BLACK
STALLIO

WELDING

CERTIFICATE PROGRAM

Students in KVCC's Welding program develop a range of technical skills, knowledge and experience through the combination of coursework and hands-on training in a modern welding lab environment.

"My hands-on industry driven aspect of this program is key in translating these skills in the workforce. Upon completion of this program, you will have the skills and confidence to excel in the welding profession you choose!"

"Welders build the world we live in. American Welding Society President David McQuaid explains the extensive impact welding has on all of us: Welding is an essential part of everyday life. From cars to high rise office buildings, airplanes to rockets, pipelines to highways, none of it would be possible without welding."

Enjoy a career in welding and metal fabrication

What Welding graduates do:

- SMAW, FCAW, and GTAW processes
- Horizontal, vertical, and overhead positions
- Oxy-fuel cutting
- Safety
- Blueprint
- Fabrication

Career Opportunities:

- Manufacturing plants
- Fabrication plants
- Automotive companies
- Small businesses
- Machine shops
- Large industrial construction projects, apprenticeships, fab shops, manufacturing

For further questions about this program, please contact:
wld@kvcc.me.edu or go to: www.kvcc.me.edu/wld

WELDING
DEPARTMENT CHAIR: BRIAN JONAH, 207-453-5819

Certificate

First Semester		
BPT127	Print Reading for Welders	3
MAT114	Technical Math	3
SAF101	OSHA 30 Standards	2
WLD101*	Welding I	6
Second Semester		
ENG108	Technical Writing	3
WLD102*	Welding II	6
WLD110*	Metal Fabrication	3
	Total Credits	26

CRITERIA FOR GRADUATION

Students in the Welding Certificate program must complete 26 credits, achieve a minimum grade of "C" in all core courses (*), and attain a final GPA of 2.0 or higher.

WELDING
Certificate

DESCRIPTION

All Welding classes are taught under tight supervision of a qualified welding instructor. KVCC provides all materials, and some safety equipment. Students are responsible for purchasing some small tools and certain personal protection equipment such as welding coat, helmet, boots, etc. Contact instructor for a complete tool list.

Welding classes are designed to prepare students for employment as welders, estimators, fitters, engineers, and more.

PROGRAM MISSION

The mission of the KVCC Welding Certificate Program is to provide an industry based curriculum and a network of support that will enable students to build a strong foundation of skill and knowledge in preparation for a successful career in the welding and metal fabrication fields.

EDUCATIONAL OUTCOMES

Program Goals and Student Learning Outcomes

Upon successful completion of the Welding program, a graduate is expected to:

1. Be employable individuals in the welding industry.
2. Be skilled in the welding field.
3. Participate in AWS Certification Tests.
4. Have a foundation in multiple processes of welding.
5. Be able to cut steel with the oxy-fuel torch and plasma cutter.

COLLEGE ADMISSION

General admission guidelines can be found on page 31 in the catalog.

COURSE DESCRIPTIONS

COURSE DESIGNATIONS

ACC	Accounting
AGR	Agriculture
ANT	Anthropology
ARC	Architecture
ART	Art
ASL	American Sign Language
AST	Astronomy
BIO	Biology
BPT	Print Reading
BUS	Business Administration
CHE	Chemistry
COM	Communication
CPT	Computers
CUL	Culinary Arts
ECE	Early Childhood Education
ECO	Economics
EDU	Education
ELW	Electrical Lineworker
EMS	Emergency Medical/Paramedic
ENG	English
ENV	Environmental
ETC	Electronics
ETL	Electrical
EXP	Experiential
FLP	Fluid Power
FRE	French
FSN	Food Science
GEO	Geography
HAC	Heating and Air Conditioning
HIS	History
HIT	Health Information Technology
HON	Honors Program
HUM	Humanities
INT	Interdisciplinary
MAS	Medical Assisting
MAT	Math
MHT	Mental Health
MLT	Medical Lab Technician
MUS	Music
NUR	Nursing
OTS	Occupational Therapy
PHI	Philosophy
PHY	Physics
PLB	Plumbing
PMT	Precision Machining Technology
PSY	Psychology
PTS	Physical Therapist
RAD	Radiography
SAF	Safety
SC	Science Elective
SDB	Sustainable Construction
SOC	Sociology
SPA	Spanish
SS	Social Science Elective
SWK	Social Work
WLD	Welding
WSC	Wood Science
(F)	Fine Arts Elective
(H)	Humanities Elective

ACC111 Principles of Accounting I **3 Credits**

This introductory course in accounting is designed to demonstrate the basics of the accounting process in a service business. Attention will be placed on proprietorships, with an analysis of other types of ownership later in the course. These fundamental elements are critical to operating a successful business.

ACC112 Principles of Accounting II **3 Credits**

This second course in accounting expands your accounting knowledge by analyzing each portion of the balance sheet, with a focus on merchandising enterprises. The course balances the traditional framework of accounting while introducing current accounting software. Prerequisite: ACC111.

ACC211 Spreadsheet Accounting **3 Credits**

This course will teach the student to merge their accounting and spreadsheet skills to create, design, and analyze data. Topics covered will include recording journal entries, preparing financial statements, conducting financial analyses including horizontal and vertical analyses, budgets, creating a depreciation schedule, and performing cost-volume-profit (CVP) analysis. Prerequisite: ACC111 with a grade of "C" or better, CPT117; Co-requisite: ACC112.

ACC213 Federal Taxation **3 Credits**

This course is designed not only to assist the student in proficient tax preparation, but provide an understanding of the present tax law in the setting up and operating of a business.

ACC215 Cost Accounting **3 Credits**

Cost accounting provides the student behavioral concepts and techniques as they are applied to manufacturing cost systems of job, process, and standard costing. Analysis of cost data and the uses of cost information are integrated to facilitate problem-solving and the decision making process. Prerequisite: ACC112 with grade of "C" or better.

ACC217 Intermediate Accounting I **3 Credits**

This course is designed to bridge the gap between basic accounting practice and the more specialized accounting areas of cost, managerial, and tax. The emphasis is placed upon critical thinking. Prerequisite: ACC112 with grade of "C" or better.

ACC218 Intermediate Accounting II **3 Credits**

Intermediate Accounting II continues to bridge the gap between basic accounting principles and intensive application of accounting practice in areas of assets, liabilities, and owner's equity. Financial accounting standards and concepts are emphasized by using a practical approach to learning and application. Prerequisite: ACC117 with grade of "C" or better.

ACC220 Principles of Payroll Administration **3 Credits**

This course is designed to blend a historical perspective on the public policies and laws affecting payroll as well as provide a building-block approach that guides the student from basic principles through the complex applications of payroll. In addition, the course will provide payroll and tax professionals who have three years experience, the training and study materials necessary to sit for the Certified Payroll Professional Exam. Prerequisite: ACC112 with a grade of "C" or better.

AGR101 Principles of Sustainable Agriculture **3 Credits**

This course will introduce students to the philosophies, ecological bases, and practicalities of sustainable farming. Students will gain a firm foundation in the theoretical concepts of sustainable agriculture, but the emphasis of the course will be on the practical tools, techniques, and knowledge necessary to operate a successful small-scale, sustainable farm. Classroom instruction and lecture will be supplemented and reinforced by guest lectures, practical field work on KVCC's farm, and trips to other local farms, markets, and facilities, where students will learn from farmers and food-system professionals. The course is designed to prepare students for a farm-based internship.

ANT101 Introduction to Cultural Anthropology (SS) **3 Credits**

Anthropology raises questions about the meaning and purpose of societies by exploring the differences, similarities, and connections that exist among people and cultures around the world. This course brings attention to debates and topics that contribute to the anthropological perspective, including the degree to which reality is socially constructed, the meaning of culture, and the practice of understanding behavior and events from one's own economic, political, historical, and cultural context. Throughout the semester we will study how people make sense of and organize their worlds through an investigation of topics such as family and kinship; race, class, gender, and sexuality; religion and ritual; politics and economics; and the environment. Prerequisite: ENG101 or permission of instructor.

ART114 Drawing Techniques (F) **3 Credits**

This studio arts course is an introduction to various drawing techniques. Subjects will include: still life, figure, and landscape. Slides, samples, or copies will be shown to provide students with examples of the various techniques including: pencil, charcoal, pen, ink, wash, and pastel. Drawings will be made in class and a sketchbook of drawings made outside of class. "Learning to draw is really a matter of learning to see ... "-Kimon Nicoliades. The basic skill needed for drawing is coordination between the eye and the hand. Whether working from life or from the imagination, drawing involves both visual and motor skills. The appreciation of good drawing is seeing, seeing, seeing. The basis of good drawing is practice, practice, practice.

ART115 Introduction to Visual Book (FA) **3 Credits**

This is an introduction to various techniques used in the art of making visual books. Students will develop the ability to use the visual book as a medium for personal artistic expression. Students will lean a variety of classic and modern book forms within the book arts genre in order to create a collection of unique books. Students will have the opportunity to learn and then incorporate 2D and decorative skills within their book forms by using a variety of techniques.

ART150 3D Design and Printing (H) **3 Credits**

Combining art and technology, this course includes an overview of the history of 3D printing in the arts and teaches students how to create an original 3D printed sculpture. Students will express their personal ideas and styles, using design software and automated additive fabrication techniques. 3D printing is technology and modern art.

ASL106 American Sign Language I (H) **3 Credits**

This basic course in American Sign Language provides a core vocabulary of approximately 450 signs, a sign language syntax, manual alphabet, idioms, and mime. Emphasis will be placed equally on expressive and receptive skills and the ability to communicate using visual vernacular techniques. The relationship between American Sign Language and the role of deaf culture as each relates to a deaf person's sense of self-esteem and value in the larger culture of American society will be studied.

ASL107 American Sign Language II (H) **3 Credits**

This course is for students with some basic introduction to ASL and is a continuation of American Sign Language I. It is designed to develop further communicative competencies in the language beyond the basic level with emphasis on ASL grammar and deaf culture. This Level II course will build on these basic skills learned in ASL106, American Sign Language I, maturing them through use and commitment to building a more extensive working vocabulary. The relationship between American Sign Language and the role of deaf culture as each relates to a deaf person's sense of self-esteem and value in the larger culture of American society will be studied in great depth. Prerequisite: ASL106 or permission of instructor.

ASL206 American Sign Language III (H) **3 Credits**

This course is a continuation of the skill areas of American Sign Language I and II, further developing both expressive and receptive skills. Vocabulary and fluency will be increased at an advanced level in ASL and finger spelling. Opportunities to practice signing through interaction with the deaf community will be provided. During the last weeks of the semester, students will be encouraged to communicate in sign language only, without use of voice. Adaptive sign language for special populations will be introduced. Prerequisite: ASL107 or permission of instructor.

AST111 Introductory Astronomy (SC) **4 Credits**

This course provides an introductory survey of astronomy. Topics include: celestial motion, the history of astronomy, backyard observations, telescopes, the solar system and the planets, the sun, stars and their evolution, galaxies, cosmology and the origin of the universe. Laboratory activities and observing sessions supplement classroom lectures. Prerequisite: MAT117.

BIO101 Biology I (SC) **4 Credits**

This course is an introduction to the basic concepts of molecular and cellular biology. Topics include: cell structure, cell physiology, inheritance, genetics and evolution. The laboratory will introduce basic experimental techniques and activities that reinforce the concepts introduced in lecture. Students must meet one of the following prerequisites: successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

BIO102 Biology II (SC) **4 Credits**

This course discusses the biology of plants and animals. Systematic, plant and animal life processes, adaptations, evolution, population dynamics, communities, and ecology will be included in the discussions. The laboratory will include experimentation, dissection, and problem solving. Prerequisite: minimum grade of "C" in BIO101 or equivalent.

BIO105 General Ecology (SC) **4 Credits**

This course will introduce learners to the scientific field of ecology. Participants in this course will study ecological principles of the earth, atmosphere, soils and water, and how these elements influence organic life forms. Students will also learn about the various realms of ecological study, including plant and animal ecology, physiological ecology, and population and ecosystem ecology. Students will study how plants and animals adapt to changes in their environments, and their interactions with one another within populations and communities. Lastly, students will use comparative ecosystem ecology to examine the numerous ecosystem types on the planet. Weekly laboratories will compliment lecture topics and may include field trips, case studies, guest speakers, and laboratory analysis. Prerequisite: High school biology and chemistry, or permission of instructor.

BIO106 Introduction to Marine Biology (SC) **4 Credits**

This introductory course will explore the physics, chemistry, and geology of the marine environment and its influence on the ecology of marine organisms. Students will be introduced to ocean's biotic diversity and marine habitats with emphasis on organisms found in the Gulf of Maine. Four field trips will be included: Maine State Aquarium and Whale Watch from Boothbay Harbor, a canoe tour of Scarborough Marsh (Maine Audubon), intertidal habitats at Schoodic Point (Acadia National Park) and a half-day research cruise and laboratory class at the University of Maine Darling Center.

BIO107 Animal Science (SC) **4 Credits**

This is a course in basic principles of animal physiology, anatomy, genetics, and disease and the importance of these principles to animal agriculture. Topics include farm animal breeds and breeding, effect of management conditions on animal health, production methods, including slaughter, processing and marketing, the importance of animal agriculture to human food supply and global economics, and ethical issues in farm animal care.

BIO108 Plant Biology (SC) **4 Credits**

A comprehensive introduction to plant science covering plant physiology, biochemistry, and genetics as well as the major environmental factors that affect plants. Manipulation of plants by various techniques of propagation, both sexual and asexual, is introduced.

BIO115 Human Biology (SC) **4 Credits**

This combination lecture/laboratory course introduces students to the basic concepts and principles of biology through studies of the human organism. Students will gain an understanding of how the human body functions by studying each organ system that comprises the human body. This course will give students a perspective of how the human body maintains homeostasis through the interaction of organ system functions. Current topics in health sciences, nutrition, biology, and medicine will be discussed as they pertain to specific organ systems.

BIO119 Principles of Anatomy and Physiology (SC) **4 Credits**

This combination lecture/laboratory course is designed to introduce students to the relationship between structure and function of body systems and the mechanisms by which homeostasis is maintained within each system. Prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), or permission of instructor.

BIO201 Laboratory Techniques (SC) **3 Credits**

This course is designed to teach the student the skills necessary for success as a laboratory technician. These skills will include laboratory techniques, laboratory management skills, and communication skills. Prerequisites: BIO101, BIO103, CHE112, and CHE115.

BIO213 Anatomy & Physiology I (SC) **4 Credits**

This course is an introduction to the basic concepts of human anatomy and physiology. Lecture topics include: cells, integumentary system, skeletal system, muscular system and nervous system. Laboratory activities will include biochemical analysis, histology, gross anatomy identification, and physiological studies. Prerequisite: Minimum Accuplacer reading score of 80 or completion of LEAP seminar or successful completion of a college level laboratory science course.

BIO214 Anatomy & Physiology II (SC) **4 Credits**

This course is an introduction to the basic concepts of human anatomy and physiology. Lecture topics include: nervous system, endocrine system, cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, and reproductive systems. Laboratory activities will include biochemical analysis, histology, gross anatomy identification, and physiological studies. Prerequisite: Minimum grade of "C" in BIO213 or equivalent.

BIO216 Pathophysiology (SC) **3 Credits**

This course will examine the fundamentals of pathophysiology as it is manifested within each body system. It will include pathogenesis, etiology, clinical manifestations, current diagnostics, and some suggested treatment modalities. Case histories will be used to introduce students to differential diagnosis. Prerequisite: BIO214 or permission of instructor.

BIO219 Microbiology (SC) **4 Credits**

This course applies the basic principles of biology to microorganisms. Students will compare the structure and function of prokaryotes, eukaryotes and viruses. Other topics will include antimicrobial therapy and immunity. The laboratory activities will include cultivation techniques, microscopy, biochemical assays, immunoassays and identification. Prerequisite: BIO101 or BIO214 or permission of instructor.

BIO234 Introduction to Molecular Biology and Biochemistry (SC) **3 Credits**

This course introduces the molecular biology and biochemistry of a cell. Topics include: proteins and enzymes, metabolism and energy production, gene expression and control, membrane structure and transport, signal transduction mechanisms, and the cell life cycle. Prerequisites: BIO101 and CHE112.

BPT125 Construction Print Reading **3 Credits**

This course will provide the student with the technical knowledge necessary to interpret residential and light commercial building construction blueprints. Emphasis will be placed on print reading fundamentals, construction materials, and construction techniques for residential and commercial buildings.

BPT126 Technical Print Reading & Sketching **3 Credits**

This technical drawing course will present the student with skills associated with the principles of reading and interpreting engineering and manufacturing prints. Topics include reproduction/control of prints, orthographic and pictorial representations, use of scales, line identification, U.S. and S.I. (metric) dimensioning, tolerances, thread notes and specifications, sectional views, auxiliary views, precision measuring instruments, and trade symbols/diagrams.

BPT127 Print Reading for Welders **3 Credits**

This course will cover the skills needed to read and interpret welding prints and engineering drawings. Topics covered include the terms and abbreviations used in the welding trades, object views, lines, and dimensions, welding symbols, structural shapes, measuring devices, welding prints, welding detail drawings, and dimensions and materials.

BUS113 Marketing **3 Credits**

This course presents an overview of the complete range of marketing activities and the role of marketing in our economic and social structure. Topics will include the planning, pricing, distribution, and promotion of goods and services to consumer and industrial markets. Emphasis will be placed on targeting marketing activities to the correct customer base.

BUS115 Principles of Management **3 Credits**

Analysis is focused upon the management techniques of organizing, MBO, planning, staffing, controlling, directing, communicating, motivation and quality assurance. The impact of these processes upon effective interpersonal relations will be highlighted.

BUS116 Business Law **3 Credits**

A basic law course designed to introduce points of law for contracts, commercial paper, sale of personal and real property, agency and employment, secured transactions and business organization. Legal principles are illustrated through the use of practical cases and examples.

BUS119 Integrated Marketing Communications **3 Credits**

This course is designed to introduce the student to the various methods of marketing communications from traditional to digital tools. Topics examined will include the marketing communications planning process, advertising tools, digital marketing, alternative marketing, promotional tools, and ethics and regulations related to the integrated marketing communications process.

BUS125 Introduction to E-Commerce **3 Credits**

This course is designed for individuals who would like to have more adept internet skills as well as the small business owner who would like to understand more about e-commerce. The course will cover three major topics: 1) finding the information and resources you need on the Internet. 2) making yourself known and found on the Internet. 3) creating small business web pages. Content will include web page browsing, email applications, listserves, FTP access, newsgroups, and forums.

BUS216 Small Business Basics **3 Credits**

This course introduces the fundamentals of small business management to include business organization, financial planning, marketing, human resources, accounting, insurance, and legal issues. Additional topics covered that are specific to a timber frame business include communicating with clients, yard management, and record keeping.

BUS218 The Entrepreneur's Guide to Small Business Management **3 Credits**

This course introduces the fundamentals of small business management to include business organization, financial planning, marketing, human resources, accounting and financial controls, global economy, insurance and legal issues. Additionally, through active participation in all the aspects of the course, class members will have the opportunity to further develop their management, team building, and communication skills. Prerequisite: ACC112 or permission of instructor.

BUS250 Virtual Office Simulation/Internship **3 Credits**

Students will work collaboratively with students from the other business options in a simulated office environment to include the "Virtual Office" and incorporated internship program. This course will include an assessment of core skills in the areas of communication, diligence, responsibility, critical thinking, and technical proficiency. Prerequisite: Students must have completed 30 credits of their Business Administration option.

CHE112 General Chemistry I (SC) **4 Credits**

This is an introduction to the basic principles of chemistry. Topics include: atomic structure, chemical reactions, stoichiometry, states and properties of matter, acids and bases, chemical equilibrium, and organic chemistry. The laboratory portion of this course introduces basic experimental techniques and activities to reinforce the concepts introduced in lecture. Co-requisite: MAT117 or equivalent mathematical aptitude.

CHE113 Introduction to Biochemistry (SC) **3 Credits**

This course is an introduction to the basic concepts of general chemistry and biochemistry. Emphasis will be placed on the major metabolic pathways, mechanisms of enzyme action, bioenergetics, and the role of regulatory substances in the human body. High school or adult education chemistry is recommended.

CHE115 General Chemistry II (SC) **4 Credits**

This course is a continuation of Chemistry I. Topics include: chemical equilibrium, thermodynamic equilibrium, electrochemistry, organic chemistry, and an introduction to biochemistry. The laboratory portion of this course introduces basic experimental techniques and activities to reinforce the concepts introduced in lecture. Prerequisite: Minimum grade of "C" in CHE112.

COM104 Introduction to Communication **3 Credits**

This course explores the way individuals make and share meaning by focusing on the communication process, communication competencies, ethical and cultural implications, and various types of communication including intrapersonal, interpersonal, small group, public, mass, mediated, and intercultural. Special emphasis is given to developing public speaking skills by learning and practicing informational and persuasive speech composition and delivery.

COM105 Interpersonal Communication **3 Credits**

This course explores the communication process through which people create and manage their personal and professional relationships. The focus of the course will be on intrapersonal and interpersonal communication concepts and skills across a variety of contexts. Students will examine scholarship surrounding interpersonal communication and relational dynamics and use a reflective process to further their awareness, understanding, and skills.

COM200 Professional Communications **3 Credits**

This course focuses on communication within a professional context and career decision making. Students will learn and practice a variety of professional communication skills in and outside of the classroom. Students will also take a comprehensive approach to career decision making assessing personality and interests, identifying potential careers and fields, and planning for the future. Each student will complete the class with a personalized career and educational plan informed by their assessments and primary and secondary research. Prerequisite: ENG108 or ENG101.

CPT117 Software Applications I **3 Credits**

This course will introduce students to concepts in the following application software: Microsoft Word (word processing), Excel (spreadsheets), and PowerPoint (computerized presentations). Students will complete projects at the basic and intermediate skill level, which will benefit the student as they progress through college and beyond. Students must pass 1-2 competency exams for each application for successful completion of the course.

CUL101 Introduction to Culinary Arts **2 Credits**

This course is a foundation course for students embarking on Culinary careers. Topics will include tools, equipment, kitchen organization, recipe conversion, and professionalism.

CUL111 Food Safety and Sanitation **2 Credit**

The purpose of the course is to assist the student in developing, understanding, and applying concepts and principles of safe food-handling. Students are introduced to basic food borne illness prevention and must pass the NRAEF ServSafe Managers test. Students conduct a Hazard Analysis of Critical Control Points (HACCP) plan as a group project. Upon successful of the exam the student will receive a certificate from the National Restaurant Association. Co-requisites: CUL101 and CUL121.

CUL121 Culinary Arts I **5 Credits**

This course is an introduction to the application and development of fundamental cooking theories and techniques. Topics of study include: tasting, kitchen equipment, knife skills, classical vegetable cuts, stock production, thickening agents, soup preparation, grand sauces, timing and multitasking, basic cooking methods, kitchen and station organization, palate development, culinary terminology and food costing. Techniques include stewing, steaming, frying, sautéing, braising, roasting, broiling, and grilling. Co-requisite: CUL101 and CUL111.

CUL122 Culinary Arts II **5 Credits**

Designed to build on the skills and knowledge gained in Culinary Arts I, the course will emphasize advanced preparations of meat, poultry and seafood, hors d'oeuvres, cold preparations and pantry techniques, cheeses, charcuterie, chaud froid, and aspics. Emphasis on utilization of local ingredients and healthy cuisine. Prerequisite: "C" or better in CUL121; Co-requisite: CUL132.

CUL124 Baking and Pastry I **5 Credits**

Study will include basic elements of breads, doughs, basic pastries, custards, cakes, pies, tarts, sauces, and fruits. These elements will be used to produce desserts as well as savory applications. Students will learn presentation and decorating techniques that will include dessert sauces, decoration, plating and garnishment. Prerequisite: "C" or better in CUL121; Co-requisites: CUL122 and CUL132.

CUL131 Culinary Nutrition **2 Credits**

The purpose of this course is to assist the student in developing, understanding and applying concepts and principles of applied culinary nutrition. Students are introduced to basic human nutrition and practice translating current nutritional recommendations into menus. Students explore the science behind diets and the fundamentals of how nutrition impacts public health. Co-requisites: CUL101 and CUL111.

CUL132 Food and Beverage Purchasing **2 Credits**

This course introduces the student to the types and varieties of fresh and processed fruits, vegetables, meats, fish, shellfish, poultry, dairy products, beverages, and various sundry items. Topics include inventory control, purchasing, receiving, and storage of food and restaurant products. Emphasis will be placed on effective purchasing techniques based on the end use of the product. Prerequisite: CUL121; Co-requisite: CUL122.

CUL133 Hospitality in Tourism and Travel **3 Credits**

This introductory course examines the international scope of the tourism industry through a business lens. Students will be introduced to the traveling public, tourism promoters, tourism service suppliers, and tourism's external environment. Topics will include tourism marketing, tourism intermediaries, tourism technology, transportation, accommodations, food and beverage, attractions and entertainment, destinations, and sustainability.

CUL134 Coordinated Externship in Culinary Arts **3 Credits**

The Culinary externship is a learning experience designed to provide the student with goal-related, supervised, evaluated academic experiences in an approved food service establishment. The externship provides opportunities to apply culinary skills and knowledge in a practical context. The student, externship supervisor and course coordinator will develop an individualized externship plan that will include measurable learning objectives. Prerequisites: CUL101, CUL111, CUL121.

CUL205 American Regional Cuisine **5 Credits**

This is a comprehensive course on "American" cooking by the various food regions of America and its territories. This course provides the student with an explanation of the development of cuisines as well as historical background and recipes from the cookery of New England, the Mid Atlantic, Mid-West, Southwest, Pacific Rim, Plains States, Hawaii, Florida, Puerto Rico, and California. This class will include a student service component with meal services that encompass the various regions of study. Prerequisite: "C" or better in CUL122; Co-requisite: CUL231.

CUL231 Classical Cuisine **5 Credits**

This course is designed to reinforce the classical culinary kitchen as established by Escoffier. Topics include the working the Grand Brigade of the Classical Kitchen, as well as cooking the modern "line," Table d'hote menus, signature dishes, classical banquettes as well as the study of various food regions of France. Upon completion students should be able to demonstrate competence in food preparation in a classical/upscale restaurant or banquet setting. This class will include a student service component with dinner services that encompass the various rituals of fine dining. Prerequisite: "C" or better in CUL122; Co-requisite: CUL205.

CUL232 International Cuisine **5 Credits**

This is a comprehensive course on International Cookery. This course provides the student with an explanation of the development of cuisines as well as a historical background and recipes from the cookery of Europe, Africa, the Middle East, Asia, Italy, and Latin America. Prerequisite: "C" or better in CUL231; Co-requisite: CUL242.

CUL242 Food Service Management **3 Credits**

This course provides a foundation in the basic principles of food service management. Front of the house topics of study include organization, staffing, service planning and front of house design. Back of the house topics of study include menu planning and design, product procurement, production, quality assurance, sanitation, kitchen planning and design, and other food service management topics. Prerequisite: "C" or better in CUL231.

ECE131 Introduction to Early Childhood Education **3 Credits**

This course provides a comprehensive overview of the Early Childhood Education field from birth to age 8. Students will learn the influences of history and theory in early childhood education. Students will be introduced to The National Association for the Education of Young Children (NAEYC), State of Maine standards and guidelines, and the Code of Ethical Conduct. Additional introductory topics include curricula and environments for various ages, developmentally appropriate practice, cultural and linguistic responsiveness, mental health and Science, Technology, Engineering, Arts and Math (STEAM) in early childhood environments.

ECE132 Early Language and Literacy Development **3 Credits**

An introduction to language and literacy development in the young child, from birth to age 8. Utilizing the joint position written by the International Reading Association and the National Association for the Education of Young Children on *Learning to Read and Write*, this course will focus on the components of language knowledge and writing processes of young children. Students will gain knowledge of recommended teaching practices for specific age groups and the resources needed for planning developmentally appropriate literacy experiences. They will also develop an understanding of how to differentiate and scaffold instruction to meet the needs of all children, as well as the various special services that are available to assist children and families when necessary. Students will discuss the importance of the home-school connection, and how to effectively partner with families.

ECE136 An Introduction to Field Placements **1 Credits**

This course provides the necessary information and requirements to be successful in the Early Childhood Education program, and more specifically field placements one, two and three. Students will prepare for field placements by scheduling fingerprinting, completing a background check, and discussing other placement requirements. A thorough overview of the National Association for the Education of Young Children's (NAEYC) Professional Standards and Competencies will guide students through the program expectations and set them up for success with the professional portfolio to be passed in during the third field placement and final semester. Other topics will include mandated reporting, professionalism, and the NAEYC Code of Ethical Conduct.

ECE140 Fostering Growth and Development: Infants and Toddlers **3 Credits**

This course provides a comprehensive overview of the specialized knowledge required to work with infants and toddlers. Students will learn about early brain development and how family partnerships can impact the typical infant and toddler development in all domains. Students will design safe, nurturing environments and create developmentally appropriate curricula in accordance with the state guidelines. Other topics include adverse childhood experiences (ACEs) and resiliency, guidance strategies and incorporation of STEAM in early curricula. Prerequisites: ECE131 and ECE136 or permission of Instructor.

ECE145 Fostering Growth and Development: Preschool and Primary Ages **3 Credits**

This course provides a comprehensive overview of the knowledge required to work with children in preschool and primary grades. Students will learn about patterns of preschool development and how to engage families and communities in preschool programming. Students will also learn how to design comprehensive, stimulating environments and create developmentally appropriate curriculum that aligns with accepted standards. The same overview will be provided for children age five to eight in the early primary grades. Other topics to be covered include: behavior and discipline, guidance, mental health, inclusion, daily schedules and routines. Prerequisites: ECE131 and ECE136 or permission of Instructor.

ECE152 Children's Literature **3 Credits**

This course surveys literature for children from birth to age 8. Students will examine a wide variety of book genres and become familiar with the components of literature. There will be emphasis on standards for evaluating and selecting books for use with children in multiple settings and developmentally appropriate portrayal for the audience. Students will become familiar with award winning children's literature, its illustrators and authors, and the standards by which they were judged. Students will practice read aloud techniques and develop strategies for child and family engagement through the use of props, related activities, and how each relates to the developmental domains. Each student will finish the class with a developmentally appropriate children's literature list for each age group and grade, and an understanding of how literary knowledge relates to school readiness.

ECE156 Field Experience I – The Use of Observation in the Field **4 Credits**

This 90-hour field placement provides students with an introductory experience in an early childhood setting. Through various observation methods, students will gain a deeper understanding of disabilities, as well as behavior and discipline in early childhood. Observations of curricula, environments, activity plans and child development will inform teaching practices with intentionality. Students will apply essential skills in an Early Childhood Setting such as professionalism, intentionality, and reflection. The Code of Ethical Conduct guides this first experience in the early childhood field and supports interactions with children, families, and the supervising teacher. Students will participate in 30 hours of discussions to reflect on their field experiences. Students must provide proof of background check clearance to participate in this course. Prerequisites: ECE131, ECE136, and relevant background check.

ECE158 Including Young Children with Special Needs in Early Childhood Settings **3 Credits**

This course provides a comprehensive overview of teaching and working with young children with disabilities from birth to age 8. Students will learn about different types of disabilities and inclusionary practice through an overview of current and historical practices and related laws. Observation, assessment, environmental analysis, and curriculum will be discussed as each relates to modifications and adaptations in practice. The course will also review typical behavior-related challenges, discipline, and the development of collaborative relationships with families and service providers. Prerequisites: ECE131 and ECE136 or Permission of Instructor

ECE200 Field Placement II – Partnerships in Early Childhood **4 Credits**

This field placement provides collaborative opportunities to gain a better understanding of children with disabilities and behavioral strategies. In line with the Code of Ethical Conduct students will interact with colleagues, paraprofessionals, collaborators, and support staff in addition to children and families. Utilizing self-reflection, students will process their experiences and progress towards becoming an effective educator. Students will create goals and amend their educational philosophy to reflect their growth across this practicum. Observations of children will guide lesson planning and implementation with a focus on STEAM (Science, Technology, Engineering, Art, and Math). An overview of the Maine Department of Education requirements for teaching certifications will guide students in considering future plans, including Praxis exams and transferring to a four-year institution. Students must provide proof of background check clearance to participate in this course. Prerequisites: ECE131, ECE136, and relevant background check.

ECE210 Classroom Management **3 Credits**

This course provides a comprehensive overview of child behavior and the need for classroom management. Students will explore aggression theory and contributing factors to challenging behaviors. Students will discover and reflect on effective methods and strategies for classroom and behavior management as well as preventative measures to reduce the need for discipline. Resources, handouts and behavior plans will be researched and developed to assist in handling challenging behaviors and supporting fellow educators and families. Prerequisites: ECE131 and ECE136 or permission of Instructor.

ECE215 Weaving in STEAM Education **3 Credits**

This course provides a comprehensive overview of the STEAM components: Science, Technology, Engineering, Art and Math. Students will learn how to incorporate STEAM concepts into curriculum and daily activities. Students will practice intentionality and ways to extend natural learning and exploration. Students will learn to adapt the environment to encourage curiosity and exploration. In looking forward, students will create a plan to engage families to take part in scaffolding STEAM skills. Prerequisites: all 100-level ECE courses.

ECE250 Practicum III – A Focus on Families and Professional Development **6 Credits**

This field placement focuses on professional development topics critical for practice in early childhood settings and partnerships with families. In line with the Code of Ethical Conduct students work with their cooperating teacher to attend home visits, parent/teacher conferences, family events, and other opportunities. Through self- reflection, students will process their experiences and progress towards becoming an effective educator. Students will create goals and finalize their educational philosophy to reflect their growth across the ECE program. Students will develop a professional portfolio for use as they enter the early childhood education field. Students will reflect on their observations, the application of theory in practice, and on questions they generate from their field placement experiences. Prerequisites: ECE131, ECE136, ECE156, ECE200 and relevant background check.

ECO113 Principles of Economics I (Macro) (SS) **3 Credits**

This course examines functions of the United States economy, economic security, supply and demand, causes of unemployment and inflation, the nature of money and monetary policy, government fiscal policy, the federal debt, and international money matters.

ECO114 Principles of Economics II (Micro) (SS) **3 Credits**

Course content includes analysis of the interrelations of the individual consumer, the firm, and industry with regard to markets and pricing, monopoly power, the role of government, and income distribution. Prerequisite: ECO113.

ECO120 Investment Planning in Our Society (SS) **3 Credits**

This course will present an overview of financial assets within our society. Attention will be given to retirement planning, asset allocation, load and no-load mutual funds, stocks and bonds, CDs, bull and bear market cycles, 401Ks, money markets, Roth and traditional IRAs, and systematic investment strategies and potential returns and risks of a variety of investments.

ELW150 Lineworker Training I **8 Credits**

This course covers the process of building a three phase distribution circuit. Emphasis will be placed on all necessary details, from the first customer request to the final energizing of customer service. Other topics covered in this course include safe working practices; the beginning phase of learning to safely use the equipment necessary to the utility trades; the standard requirements for distribution lines in the power industry; and the procedures and tools used for tree cutting, trimming, and removal. Prerequisite: CDL Class B License; Co-requisites: ETL109, MAT114.

ELW160 Lineworker Training II **8 Credits**

This course covers the installation and removal of transformers, reclosers, service loops, telephone and television cables. The basics of hot-line tool work will also be covered. Other topics covered in this course include: safety procedures of utilities, including hazardous material requirements and procedures; the basics of transformer theory and connections for both single phase and three phase applications; basic utility metering practices; the use of rigging for off-the-road construction. Students will become certified in first aid/CPR, 10-hour OSHA construction, Maine Driving Dynamics, and Rigging/Signal Person and Flagger training. Prerequisites: Successful completion of all first semester courses.

EMS111 Emergency Medical Technology I **5 Credits**

Course content addresses the management of airway and respiratory problems, cardiopulmonary resuscitation, techniques of oxygen therapy, bleeding control and treatment for shock, soft tissue injuries and fracture care, principles of spinal immobilization, fundamentals of triage and transportation of the sick and injured, and treatment modalities for a range of medical, obstetrical, pediatric, environmental and behavioral emergencies. This course offers an introduction to patient assessment skills and includes training in the use of Automated External Defibrillators as required for licensure at the EMT level in the State of Maine. This course is a prerequisite to entry into the advanced levels of EMS education.

EMS113 Fundamentals of Emergency Medical Services **3 Credits**

This course serves to introduce the student to the role of the Advanced Life Support Provider. Topics covered include roles and responsibilities of ALS providers, medical terminology, self-care, introduction to pharmacology, and initial patient stabilization and management. Students will learn how to obtain a history and perform a

physical assessment on a patient. Prerequisite: Admission into the Advanced EMT Certificate; Co-requisites: EMS115, EMS117, EMS119.

EMS115 Advanced EMT Clinical Preceptorship and Field Internship **4 Credits**

This course provides the opportunity to apply, in the prehospital and clinical setting, the didactic knowledge and skills developed in the classroom. Students partner with prehospital providers at local ambulance services and clinical preceptors in various health care settings to develop skills in clinical decision-making, electrocardiography, and management of acute and chronic disease. This clinical experience focuses on the skills needed to function at the Advanced EMT level. Students completing this course will fulfill the clinical requirements for the Advanced EMT licensure level. Prerequisite: Admission into the Advanced EMT Certificate; Co-requisites: EMS113, EMS117, EMS119.

EMS117 Cardiac/Respiratory Emergencies **3 Credits**

This class provides an in-depth study of the respiratory and cardiovascular system. In the lab, students will learn advanced airway skills, perfect ventilation techniques, and perform basic cardiac rhythm interpretation. An introduction to the pathophysiology and management of cardiovascular and respiratory disorders will be provided. This course serves as a core course for Advanced EMT licensure. Prerequisite: Admission into the Advanced EMT Certificate; Co-requisites: EMS113, EMS115, EMS119.

EMS119 Advanced EMT Skills Seminar **2 Credits**

In this lab/seminar students will review and practice Advanced EMT psychomotor skills in an interactive format. The course includes multiple case studies, interactive lab sessions, and creative teaching methods. The course concludes with mandatory skills tests to assure mastery of the topics covered in the Advanced EMT National Education Standards and in the Maine EMS Advanced EMT curriculum. This course is required for students who wish to be licensed at the Advanced EMT level. Prerequisite: Admission into the Advanced EMT Certificate; Co-requisites: EMS113, EMS115, EMS117.

EMS208 Advanced Emergency Cardiovascular Care **4 Credits**

This course provides an in-depth study of the pathophysiology of cardiac and vascular disorders. Topics covered include the physiology, assessment and treatment of acid base balance disturbances, cardiac rhythm alterations, 12-lead EKG analysis, and treatment of vascular disorders. In the lab, students learn advanced paramedic skills such as cardiac arrest management and clinical decision making. Students completing the course will receive a certificate in Advanced Cardiac Life Support (ACLS) and the MEMS 12-lead Objectives for the Paramedic. Prerequisites: EMS113, EMS115, EMS117, EMS119 or currently licensed/certified Advanced EMT; Co-requisites: EMS209, EMS215.

EMS209 Paramedic Emergencies I **3 Credits**

This course provides an introduction to emergency pharmacology and an in-depth study of the pathophysiology of airway disorders. Topics covered include the physiology, assessment and treatment of airway disorders and an in depth review of emergency pharmacology and medication administration. In the lab, students learn advanced airway procedures such as endotracheal intubation, CPAP, capnography and practice medication administration techniques such as intravenous access, intramuscular and subcutaneous injections, and intraosseous access among many others. Clinical decision making is also introduced. Students will also participate in the Difficult Airway Lab reinforcing techniques and skills learned in EMS209. Prerequisites: EMS113, EMS115, EMS117, EMS119 or currently licensed/certified Advanced EMT; Co-requisites: EMS208, EMS215.

EMS215 Paramedic Clinical Preceptorship and Field Internship I **3 Credits**

This faculty-directed practicum provides the opportunity for each student to develop competency in clinical skills with the hospital and prehospital setting. Clinical rotations occur in cardiac care units, newborn nurseries, labor & delivery, post-anesthesia units, same-day surgery, respiratory, cardiology, emergency room, operating room and others under the direction of a designated preceptor. The prehospital rotation allows the student to assume the role of the Paramedic in order to perfect clinical and assessment skills. During this rotation the student will primarily observe and assist the precepting Paramedics. The student works under the direction of an experienced Paramedic. Prerequisites: EMS113, EMS115, EMS117, EMS119 or currently licensed/certified Advanced EMT; Co-requisites: EMS208, EMS209.

EMS218 Paramedic Emergencies II **4 Credits**

The student is given an intense introduction to the pathophysiology and management of selected diseases, based on body systems. These include infectious and communicable diseases, allergies and anaphylaxis, behavioral disorders, toxicology and hematology, vascular, neurological, endocrine, renal, urogenital, gastrointestinal systems and associated emergencies. An overview of common laboratory and diagnostics tests is presented. This class will build off of EMS208 and EMS209, further reinforcing assessment-based management and pharmacological interventions. At the completion of this course the student will be certified in the 2006 Maine EMS Prehospital Interfacility Transfer Program (PIFT). Prerequisites: EMS208, EMS209, EMS215; Co-requisites: EMS219, EMS225.

EMS219 Emergency Care Across the Lifespan **3 Credits**

This class provides students with the opportunity to study how growth and development impacts the delivery of emergency care. Topics include pediatric and neonatal emergencies, obstetrical care, geriatric emergencies, and age appropriate care. Provisions for providing emergency care to all age groups are presented. The normal physiological changes of aging are reviewed. The laboratory portion of the program includes education in Pediatric Advanced Life Support (PALS). Prerequisites: EMS208, EMS209, EMS215; Co-requisites: EMS218, EMS225.

EMS225 Paramedic Clinical Preceptorship and Field Internship II **3 Credits**

This faculty-directed practicum provides the opportunity for each student to develop competency in clinical skills with the hospital and prehospital setting. Clinical rotations occur in cardiac care units, newborn nurseries, labor & delivery, post-anesthesia units, same-day surgery, respiratory, cardiology, emergency room, operating room and others under the direction of a designated preceptor. The prehospital rotation allows the student to assume the role of the Paramedic in order to perfect clinical and assessment skills. During this rotation the student will be expected to take an active role in the treatment and decision-making process. The student works under the direction of an experienced Paramedic. Prerequisites: EMS208, EMS209, EMS215; Co-requisites: EMS218, EMS219.

EMS228 Paramedic Emergencies III **3 Credits**

This course provides students with a comprehensive course in the pathophysiology, kinematics, and management of the trauma patient. Topics include multisystems trauma, spinal injury, head injury, orthopedic injury, and burns. Upon completion of the lab portion of the class, students receive certification in Prehospital Trauma Life Support (PHTLS). Continued study and usage of assessment based management will be reinforced. Prerequisites: EMS208, EMS209, EMS215, EMS218, EMS219, EMS225; Co-requisites: EMS229, EMS235.

EMS229 Paramedic Skills Seminar **2 Credits**

This is the last course necessary to complete the paramedic program. This course is designed to provide students an intense lab experience that simulates professional paramedic practice. Students completing this course will practice the psychomotor skills necessary to successfully pass the National Registry Paramedic Examinations and to become professional field practitioners. Topics discussed will include ambulance service management, concepts of lifelong learning, quality improvement, and the paramedic's role in community education as well as a comprehensive review of the entire Paramedic Program. A comprehensive review of EMS208, EMS209, EMS218, EMS219, and EMS228 will take place, with prep work for the NREMT Examination Process. Prerequisites: EMS208, EMS209, EMS215, EMS218, EMS219, EMS225; Co-requisites: EMS228, EMS235.

EMS235 Paramedic Clinical Preceptorship and Field Internship III **3 Credits**

This faculty directed practicum provides the opportunity for each student to develop competency in clinical skills with the hospital and prehospital setting. Clinical rotations occur in cardiac care units, newborn nurseries, labor & delivery, post-anesthesia units, same-day surgery, respiratory, cardiology, emergency room, operating room and others under the direction of a designated preceptor. The prehospital rotation allows the student to assume the role of the Paramedic in order to perfect clinical and assessment skills. During this rotation the student will be expected to serve in a leadership capacity in the treatment and decision-making process. The student works under the direction of an experienced Paramedic. Prerequisites: EMS208, EMS209, EMS215, EMS218, EMS219, EMS225; Co-requisites: EMS228, EMS229.

ENG101 College Composition **3 Credits**

College Composition emphasizes critical reading and thinking as part of the process of clear and effective writing. Various writing skills will be practiced and applied through numerous writing assignments. Students will also be required to conduct research and write an essay based on that research. College Composition values the process of writing and students will actively engage the revision process. Students may be required to work in a computerized writing lab; therefore, word processing and keyboarding skills are required. See page 31 for course placement information using multiple measures.

ENG102 College Composition **4 Credits**

College Composition emphasizes critical reading and thinking as part of the process of clear and effective writing. The course provides students with individualized and intensive instruction and practice in writing clear, developed, and focused arguments and essays. Students will also be required to conduct research and write an essay based on that research. ENG102 includes an additional two hours of supplemental instruction each week that allows for more time with the instructor and/or working in a writing lab. College Composition values the process of writing and students will actively engage the revision process. Students may be required to work in a computerized writing lab; therefore, word processing and keyboarding skills are required. See page 31 for course placement information using multiple measures.

ENG108 Technical Writing **3 Credits**

This course challenges students to solve problems using words and images. The course stresses both the writing process and the writing situation consisting of purpose, audience and context. The course provides students with individualized and intensive instruction and practice in writing clear, By learning to assess user needs, students develop critical thinking skills and use these skills to guide the writing process in a variety of communication forms. Students learn to gather and select information and to choose organizing and formatting strategies that result in clear written documents. Class activities include writing in a computerized writing lab; therefore, keyboarding skills are required. See page 31 for course placement information using multiple measures.

ENG109 Technical Writing **4 Credits**

This course challenges students to solve problems using words and images. The course stresses both the writing process and the writing situation consisting of purpose, audience and context. The course provides students with individualized and intensive instruction and practice in writing clear, By learning to assess user needs, students develop critical thinking skills and use these skills to guide the writing process in a variety of communication forms. Students learn to gather and select information and to choose organizing and formatting strategies that result in clear written documents. Class activities include writing in a computerized writing lab; therefore, keyboarding skills are required. See page 31 for course placement information using multiple measures.

ENG121 Introduction to Literature (H) **3 Credits**

This humanities course will provide students with the opportunity for personal growth and an insight into social problems as revealed through literature. Students will read and discuss a selection of short stories, plays, poems and novels. Prerequisite: A grade of "C" in ENG101, 102, 108 or 109, or permission of instructor.

ENG210 Creative Writing (F) (H) **3 Credits**

Students will be introduced to the essential elements of creative writing, focusing on literary fiction and poetry. This course will define and illustrate through analytical readings and discussion, the elements, forms and techniques of fiction and poetry writing. Students will practice these elements in their own writing, producing approximately 10-12 pages of revised fiction (short story form) and a portfolio of revised poems. Students will also be expected to read and critique each other's work. Prerequisite: A grade of "C" or higher in ENG101 or ENG102.

ENG211 Creative Nonfiction Writing (H, FA) **3 Credits**

Students will be introduced to the essential elements of creative nonfiction writing, focusing on the personal essay and memoir, profiles, nature and travel writing, narrative essays, and literary journalism. This course will define and illustrate, through analytical readings and discussion, the elements, forms and techniques of creative nonfiction writing. Students will practice these elements in their own writing, producing a final portfolio of revised, polished work. Students will also be expected to read and critique each other's work.

This course is designated as Writing Intensive. Writing Intensive courses meet at least three of the four following criteria: 40% of overall course grade is based on formalized writing assignments, writing instruction is part of

the course, drafts of writing assignments are required, and feedback is given on formal elements of writing. Prerequisite: ENG101 or ENG102 with a grade of "C" or better.

ENG212 Poetry: An Introduction to the Language of Thought and Feeling (H) **3 Credits**

Rich in sensation and sense, poetry may be the most expressive of literary genres. In its many forms – from lyric, to ballad, from rhyming and rhythmic to free verse – poetry touches a diversity of individual, social, and cultural worlds. It gives voice to the emotions and ideas that shape human experience. This course helps students to understand and respond to poetic expression. Students will discover poetry, not as a mystery of hidden artistic expression, but as an understandable and enriching art form. Prerequisite: A grade of "C" or higher in ENG101 or ENG102.

ENG 213 Fiction Writing (H,FA) **3 Credits**

In this course, students will be introduced to the craft, cultural context, and creative practice of fiction writing. Focusing on contemporary character-driven stories, students will define and illustrate through analytical readings and discussion, the elements, forms and techniques of fiction writing. The course will specifically address the structures of short stories and novels, along with micro/flash fiction, and other experimental forms. Students will practice these elements in their own writing, producing a final portfolio of revised, polished work. This course will utilize the creative writing workshop model and students will be expected to read and critique each other's work. This course is appropriate for the student who already has a writing practice and the beginning writer who would like to learn about fiction writing and develop creativity.

This course is designated as Writing Intensive. Writing Intensive courses meet at least three of the four following criteria: 40% of overall course grade is based on formalized writing assignments, writing instruction is part of the course, drafts of writing assignments are required, and feedback is given on formal elements of writing. Prerequisite: Grade of "C" or better in ENG101 or ENG102.

ENG214 Short Fiction: Art and Idea (H) **3 Credits**

Students will read and study a variety of short stories and novellas. By examining literary elements such as plot, character, and imagery, students will enrich their response to these powerful short-fiction forms. Diverse readings will exemplify the variety of styles, techniques, artistic effects, and themes of short fiction, as well as the historical development of this literary form. Prerequisite: A grade of "C" or higher in ENG101 or ENG102.

ENG215 Poetry Writing (H,FA) **3 Credits**

n this course, students will examine contemporary poetry and participate in writing exercises that develop writing skills and creativity. Students will participate in creative writing workshops and produce a final portfolio of revised, polished work. This course is appropriate for the student who already has a writing practice, and the beginning writer who would like to learn about poetry writing and be creative in a supportive environment.

This course is designated as Writing Intensive. Writing Intensive courses meet at least three of the four following criteria: 40% of overall course grade is based on formalized writing assignments; writing instruction is part of the course; drafts of writing assignments are required; and feedback is given o formal elements of writing. Prerequisites: ENG101, 102,108 or 109 passed with a "C" or better.

ENG216 Popular Fiction (H) **3 Credits**

The increasing popularity of book clubs and the word of mouth recommendations of social media have more people engaging in conversations about contemporary "popular" fiction. This course gives students the tools to engage with popular, mainstream literature on a critical level. Required readings will explore a range of diverse issues, including class, race, gender, and sexual identity, along with the nature of relationships, both with the self and others. Students will be encouraged to examine not only literary genre, but the personal, historical, cultural, and social contexts reflected in popular fiction. Through sustained inquiry, this course will challenge students to come to deeper understandings about their own experiences and the complex world around them. Prerequisite: "C" or higher in ENG101 or ENG102.

ENG218 Advanced Academic Writing **3 Credits**

This course is designed for students who wish to gain advanced academic writing skills. The course will build on the research, critical thinking/analysis and writing skills acquired in ENG 101 College Composition, and develop these skills specifically related to their field of study. Students will be introduced to the research process, including how knowledge is produced, reviewed, and disseminated. Additionally, students will read, analyze and summarize scholarly sources for a variety of audiences and purposes. Students can expect to practice writing in common

academic and non-academic genres, ranging from a literature review to fact sheets and infographics. Prerequisite: A grade of "C" or higher in ENG101, 102,108 or 109.

ENG219 Business and Professional Writing **3 Credits**

Business and Professional Writing examines and applies the principles, methods, and forms needed to produce clear and effective business correspondence as it relates to commerce and public relations. Focus is on creating documents that can promote smooth business operations such as letters, memos, emails, and formal reports. Additionally, the course provides specific instruction on writing resume and job application letters. This course builds upon writing and grammar skills while also emphasizing the responsibility of the writer to thoroughly understand the information being communicated, to organize that information effectively, and to present the information in a format, tone, and style appropriate to a specific audience. Prerequisite: A grade of "C" or higher in ENG101,102,108 or 109.

ENG220 American Literature (H) **3 Credits**

A survey of American writers from Colonial times to the present will be read, studied and discussed. This course will provide students with the opportunity to examine the personal, historical, cultural and social contexts reflected in American Literature. Prerequisite: A grade of "C" or higher in ENG101 or ENG102.

ENG224 Literature, Culture and Diversity (H) **3 Credits**

This course will provide students the opportunity to examine literature through the cultural lenses of gender, race/ethnicity, class, and sexual identity. Through this method of inquiry, students will gain exposure to the diversity of voices that make up society, art, and culture, allowing a greater understanding of themselves and the larger world around them.

Through the study of novels, short stories, poetry, nonfiction, and literary criticism, this course will challenge students to think deeply, to question, and to appreciate language, culture, and diversity through literature.

This course is designated as Writing Intensive. Writing Intensive courses meet at least three of the four following criteria: 40% of overall course grade is based on formalized writing assignments, writing instruction is part of the course, drafts of writing assignments are required, and feedback is given on formal elements of writing. Prerequisite: ENG101 or ENG102 with a grade of "C" or better

ENV101 Environmental Science (SC) **4 Credits**

This course examines environmental science in relation to recent social and ecological changes brought about by science, technology, and exponential population growth. The learner is introduced to basic issues with the environment, ecosystem function, human ecology, and their impact on quality of life. Once a foundation of basic ecological concepts has been attained, economic, legal, political, and moral responses to environmental concerns are explored through case studies. Through the case studies of recent ecological events we will integrate scientific evidence, economic forces and political involvement, at both the personal and societal levels. Weekly laboratories will compliment lecture topics and may include field trips, case studies, guest speakers, and laboratory analysis. Prerequisite: High school biology and chemistry, or permission of instructor.

ETC101 Managing Desktop Applications **1 Credits**

This online course is specifically designed to provide the needed skills to manage and support desktop applications in a professional office environment. Students will gain proficiency in the most popular productivity software titles such as Microsoft Word, Excel, PowerPoint and Outlook. By the end of the course, students will have created several communication projects designed to demonstrate an understanding on how to support, manage, and utilize the products.

This course meets the specifications and prepares students for two professional industry certifications:

(l) TestOut Office Pro.

(2) Microsoft Office Specialist (MOS).

Taking the Office Pro Certification exam is a required component of this course.

ETC110 Computer Technology Support I **3 Credits**

This theory/lab course is a hands-on approach to understanding the fundamentals of personal computer (PC) hardware, operating systems, and network technology. Topics include PC hardware and peripherals, file systems,

operating system installation configuration and architecture, network setup and configuration, storage systems, security, laptops, mobile devices, printers, and troubleshooting.

The lab component of this course emphasizes the field experience skills needed to be successful as a desktop and network support technician. Students will build, configure, and troubleshoot PC based systems using the Windows Operating systems.

This course meets the specifications and prepares students for two industry professional certification programs: TestOut PC Pro Certification and the CompTIA + Certification. Prerequisites: Basic Computer Skills.

ETC112 Information Technology Fundamentals **3 Credits**

This theory/lab course is designed as an introductory hands-on approach to the fundamentals of information technology (IT). Topics throughout the course are designed to develop the technical skills and knowledge needed to support modern information technology infrastructure, computing devices and information systems.

Topics include computer applications, system hardware, portable devices, data storage and sharing, setting up and configuring Apple and Windows systems, configuring, and supporting mobile devices, managing file systems, managing application software, configuring network and Internet connectivity, IT security and threat management, databases, and software development.

During this course, students are required to take CompTIA's ITF+ (IT Fundamentals+) professional certification exam and the IT Professionals Pro certification. Co-requisites: ETC108.

ETC113 Electrical Currents I **3 Credits**

This theory/lab course will provide students with a foundation in electrical circuits using steady state direct current (DC) voltage sources. Topics to be covered include: engineering notation, electrical units of measure, electrical components, Ohm's law, circuit analysis, and circuit theorems. Circuit analysis techniques along with the use of the scientific calculator will be stressed throughout the course. The lab component of this course is designed to reinforce theory by providing hands-on applications through a series of related lab projects. Students will build, test, measure, and troubleshoot electrical circuits wired in series, parallel, and combinational configurations. Electronic test and measurement equipment such as digital multi-meters (DMM), variable DC power supplies, and proto-boards will be used throughout the course. Co-requisite: MAT114.

ETC114 Electrical Circuits II **3 Credits**

This theory/lab course is a continuation of Electrical Circuits I that will provide students with a foundation in electrical circuits using sinusoidal alternating current (AC) voltage sources. Topics to be covered include: AC sine-wave analysis, time-frequency waveform analysis, inductors, capacitors, transformers, resistive-capacitive-inductive (RLC) circuit analysis, resonant RLC circuits, electronic filters, and poly-phase electrical systems. The lab component of this course is designed to reinforce theory by providing hands-on applications through a series of related lab projects. Students will build, test, measure, and troubleshoot electrical circuits using inductors, capacitors, resistors and transformers. Electronic test and measurement equipment such as the dual trace oscilloscope, function generator, digital multi-meter (DMM), capacitor/inductor analyzer, and proto-board will be used throughout the course. Prerequisite: ETC113; Co-requisite: MAT214.

ETC119 Digital Systems W/C Programming **3 Credits**

This theory/lab course is designed to provide a foundation in digital electronic circuits, systems, applications, and logic control systems. Students will build, connect, troubleshoot, and control external digital circuits using the PIC microcontroller engineering platform. The C programming language will be introduced as the coding platform for the microcontroller, combining both the software and hardware components of digital into the course. The lab component of this course is designed to reinforce theory by providing hands-on applications through a series of related lab hardware and programming projects. Electronic test and measurement equipment such as the digital storage oscilloscope, logic analyzer, wave-form generator, digital logic probe, digital multi-meter (DMM), variable DC power supply, and proto-board will be used throughout the course. Prerequisite: ETC113 and ETC110; Co-requisite: ETC114, ETC125.

ETC125 Semiconductor Devices **3 Credits**

This theory/lab course will introduce students to a wide range of semiconductor devices, associated circuit theory and practical applications. Topics to be covered include: semiconductor theory, diode types, rectifier circuits, power supply design, soldering techniques, optoelectronics, BJT characteristics, transistor circuit biasing,

transistor switching and amplification circuits, FETs, SCRs, and Triacs. The lab component of this course is designed to reinforce theory by providing hands-on applications through a series of related lab projects. Students will build, test, measure, and troubleshoot electrical circuits using an array of semiconductor devices. Electronic test and measurement equipment such as the digital storage oscilloscope, function generator, digital multi-meter (DMM), variable DC power supply, soldering station, and proto-board will be used throughout the course. During the course students will build their own variable DC power supply. Prerequisite: ETL113; Co-requisite: ETL114.

ETC212 Network Operating Systems I **3 Credits**

Administer Linux operating system distributions. The course includes Linux installation and configuration, shell commands and scripts, Linux file system, processes management, and basic system administration tasks. Students will become familiar with the Linux command-line environment, utilities and applications. Mobile Operating Systems including Android, Apple iOS, and Windows 8, and will also covered. Prerequisite: ETC110, ETC119.

ETC213 Network Operating Systems II **3 Credits**

This course is designed to provide an introduction to network operating systems, with an emphasis on Windows 2008 Server. Additional topics in network administration, IP networking and routing are also introduced. These areas of concentration will prepare students for entry into network support and administration positions. Students will participate in classroom labs and discussions, write research and analysis papers, and design a final project encompassing topics covered in the course. Prerequisite: ETC110, ETC212; Co-requisite: ETC241.

ETC220 Microcontrollers W/C Programming **3 Credits**

This theory/lab applications course is a continuation of Digital Electronics, is designed to develop advanced skills and concepts in C language programming of the PIC microcontroller system engineering development board. Students will interface and control advanced digital logic circuits using the C programming language and the microcontroller platform. Student programming skills will be developed as they progress through a series of microprocessor based application labs, ending with a final system design project. Prerequisites: ETC119, ETC125.

ETC225 Analog Circuits **3 Credits**

This theory/lab course is a continuation of Semiconductor Devices and will focus on analog circuits configured as linear amplifiers. Topics to be covered include: BJT and FET amplifier configurations, linear amplifier gain, multistage amplifiers, power amplifiers, amplifier frequency response, operational amplifiers, photo transistors, active filters, oscillators, and tuned amplifier circuits. The lab component of the course is designed to reinforce theory by providing hands-on applications through a series of related lab projects. Students will build, test, measure, troubleshoot, and design a number of complex analog amplifier circuits using proto-boards. Prerequisite: ETC114, ETC125.

ETC240 Electronic Communication Systems **3 Credits**

This theory/lab course will introduce students to the circuits and systems behind both analog and digital electronic communication systems with emphasis on high frequency (RF) signaling. Electronic communication systems such as radio, television, and CATV broadcast, HDTV, cellular technologies, wireless, and microwave communication systems will be introduced. Topics include RF spectrum analysis, signaling power levels, time and frequency domain analysis, RF filters and amplifiers, modulation techniques, transmission lines, radio-wave propagation, transmitters and receivers, antenna design, and the effects of high frequency in test and measure will be covered. The lab component of this course is designed to reinforce theory by providing hands-on applications through a series of related lab projects. Students will build, test, measure, and troubleshoot a number of complex RF circuits. Electronic test and measurement equipment such as the digital storage oscilloscope, spectrum analyzer, wave form generator, digital multi-meter (DMM), and variable DC power supply will be used extensively throughout the course. This course will prepare students for the Electronics Technicians Association (ETA) Associate Electronics Technician (CET) Certification. Prerequisite: ETC119, ETC114; Co-requisite: ETC225.

ETC241 Computer` Networking Systems **3 Credits**

This theory/lab course provides an introduction to data communication systems with emphasis on configuring, managing, and troubleshooting computer networks. Topics such as network transmission media, network devices, Ethernet standards, TCP/IP protocol suite, wireless networks, wide area networks (WANs), network security, and

network management will be covered in detail. The lab component of this course challenges students with a comprehensive networking technology online certification course with over 50 lab simulations. The course will provide students with the knowledge, skills, and experience needed to enter the industry as a professionally certified Network Support Technician. This course meets the specifications and prepares students for two industry professional certification programs: TestOut Network Pro Certification and CompTIA Network+ Certification. Prerequisite: ETC110; Co-requisite: ETC245.

ETC244 Robotics Lab **1 Credit**

The Electronics Application Lab is an electronics applications lab course where students will dedicate time to work on lab projects from the Analog Circuits, Electronic Communication Systems, and Microprocessor Application courses. Students will design, build, test, and measure advanced circuits using engineering grade test and measurement equipment, procedures, and documentation as demanded in associated technology industries. Students will present a senior design circuit project supported with technical documentation which includes build documentation, technical description, and a user guide. Prerequisite: ETC119, ETC125.

ETC245 Networking Applications Lab **1 Credit**

The Networking Applications Lab is designed as a hands-on approach to copper and fiber termination, testing, and certification. Cabling specifications and techniques including twisted pair, coax, and fiber optic cables will be covered in detail throughout the course. Each student will build and configure a complete network, including all cabling, terminations, rack mounted switches and patch panels, fiber backbone, configurations, and server setup. Industry standard test equipment such as the Fluke DSX-5000 cable and fiber-optic analyzer and the Fujikura 70S Fusion Splicer will be used throughout the course. Prerequisite: ETC110; Co-requisite: ETC241.

ETC250 Computer Technology Support II **3 Credits**

This course is designed as a hands-on approach to develop the knowledge, skills and attitudes needed for successful entrance into a computer technology career as a desktop and network support technician. Windows operating systems and mobile OS platforms will be examined in detail.

This course consists of a series of specific application projects, each of which is designed to develop and broaden student knowledge, skills and confidence in preparation to pass the CompTIA A+ Core 2 Exam. Prerequisites: ETC110.

ETL107 Electrical Principles for HVAC **4 Credits**

This course is designed to provide a foundation in the field of electricity and electronics for HVAC technicians. Topics such as engineering notation, electrical circuit components, voltage, current, resistance, power, Ohm's Law, circuit theorems, magnetic theory, AC theory, and transformers will be covered in detail. The lab component of this course is designed to reinforce topical theories and provide applications by means of "hands on" lab procedures through construction of electrical circuits. Testing and measuring equipment such as digital multi-meters (DMM), clamp meters, variable DC/AC power supplies, and application boards will be used throughout the course. Co-requisite: MAT114.

ETL108 HVAC Electronics and Controls **3 Credits**

This course will provide students with the theory and practice of the electrical skills needed as an HVAC technician. Theoretical studies will be backed up with hands-on laboratory exercises. Students will practice installing and troubleshooting electronic controls that are commonly used in HVAC systems. Prerequisite: ETL107.

ETL109 Direct Current Theory **3 Credits**

This course is designed to provide a solid foundation in the field of electricity and electronics by introducing students to direct current fundamentals. Topics such as atomic structure, conductors and insulators, electron current flow, DC sources of electricity, voltage, current, and resistance, series, parallel, combination circuits, Ohm's Law, and Kirchhoff's Law will be covered in detail. Co-requisite: MAT114.

ETL110 Alternating Current Theory **3 Credits**

This course is a continuation of DC theory, and is designed to introduce students to alternating current theory and its applications. Topics such as sine wave, capacitors, inductors, transformers, reactive circuit analysis, meters, magnetism, conductors, and insulators will be covered. Prerequisite: ETL109.

ETL113 Electrical Circuits I **3 Credits**

This theory/lab course will provide students with a foundation in electrical circuits using steady state direct current (DC) voltage sources. Topics to be covered include: engineering notation, electrical units of measure, electrical components, Ohm's law, circuit analysis, and circuit theorems. Circuit analysis techniques along with the use of the scientific calculator will be stressed throughout the course. The lab component of this course is designed to reinforce theory by providing hands-on applications through a series of related lab projects. Students will build, test, measure, and troubleshoot electrical circuits wired in series, parallel, and combinational configurations. Electronic test and measurement equipment such as digital multi-meters (DMM), variable DC power supplies, and proto-boards will be used throughout the course. Co-requisite: MAT114.

ETL114 Electrical Circuits II **3 Credits**

This theory/lab course is a continuation of Electrical Circuits I that will provide students with a foundation in electrical circuits using sinusoidal alternating current (AC) voltage sources. Topics to be covered include: AC sine-wave analysis, time-frequency waveform analysis, inductors, capacitors, transformers, resistive-capacitive-inductive (RLC) circuit analysis, resonant RLC circuits, electronic filters, and poly-phase electrical systems. The lab component of this course is designed to reinforce theory by providing hands-on applications through a series of related lab projects. Students will build, test, measure, and troubleshoot electrical circuits using inductors, capacitors, resistors and transformers. Electronic test and measurement equipment such as the dual trace oscilloscope, function generator, digital multi-meter (DMM), capacitor/inductor analyzer, and proto-board will be used throughout the course. Prerequisite: ETL113.

ETL120 Rotating Machines and Transformers **3 Credits**

This course covers the basic theory of operation for a variety of rotating machines, including DC motors and generators, AC three-phase motors and generators, and AC single-phase motors. Operation principles and common connections of single-phase and three-phase transformers will also be covered. Reference to the appropriate articles of the National Electrical Code as they relate to AC/DC machines will be an ongoing part of the course. Prerequisite: ETL113; Co-requisite: ETL114.

ETL121 Electrical Wiring Practices I **5 Credits**

This course is designed to cover the common wiring practices used in residential wiring applications. Reference to the latest edition of the National Electrical Code will be an ongoing part of the course. Students will work on lab exercises that will give them practical hands-on experience and the applicable trade information required to become proficient in the residential electrical construction field. Particular emphasis will be placed on topics such as workplace safety, tools of the trade, electrical measuring instruments, branch and feeder circuit installation, service entrance installation, wiring techniques, and electrical construction materials and nomenclature. Each student is required to have a basic set of electrical tools and a multimeter. A State of Maine Electrician's Examining Board Helper electrical license is also required. Prerequisite: ETL113 or permission of instructor.

ETL122 Electrical Wiring Practices II **5 Credits**

This course is designed to cover the common wiring practices and materials used in commercial and industrial applications. Reference to the latest edition of the National Electrical Code will be an ongoing part of the course. Students will work on lab exercises that will give them practical hands-on experience and the applicable trade information required to become proficient in the commercial and industrial electrical construction field. Particular emphasis will be placed on topics such as workplace safety, tools of the trade, wiring techniques, conduit bending, voice, video and data wiring, and electrical materials and nomenclature. Prerequisite: ETL121.

ETL124 Fundamentals of Electronics **3 Credits**

This course is a continuation of DC and AC theory. The student will be introduced to the following topics: semiconductor theory, diodes, power supplies, transistor theory, amplifiers, oscillators and operational amplifier principles, and SCR and triac control circuits. Prerequisite: ETL113; Co-requisite: ETL114.

ETL127 Electrical Motor Controls **3 Credits**

This course will provide the student with a detailed interpretation of motor control applications using modern methods and equipment. Particular emphasis will be given to manual, semiautomatic, and automatic control of electrical motors and equipment. Troubleshooting techniques of motor control systems will be covered in detail. Prerequisite: ETL113; Co-requisites: ETL114, ETL120.

ETL215 National Electrical Code **3 Credits**

This course will cover the major articles of the current edition of the National Electrical Code. Examples of its application to actual wiring installations will be included. Particular emphasis will be placed on chapters 1, 2, 3, 4, and 9. Material covered is designed to help prepare the student for State Electrical Licensing. Prerequisites: ETL121; or currently working in the field as an electrician.

ETL216 Advanced National Electrical Code **3 Credits**

This course is a continuation of ETL215 National Electrical Code and will cover the major articles found in chapters 5, 6, 7, and 8 of the current edition of the National Electrical Code. Examples of the Code's application to actual wiring installations will be included. Preparation for the State of Maine Journeyman Electrician licensing exam will be a major focus of this course. Prerequisite: ETL215 or permission of instructor.

ETL221 Industrial Control Systems **3 Credits**

This theory/lab course is designed to teach the basics of programmable logic controllers (PLCs). The theory of programming, use of the hardware and software in the installation, set-up, trouble-shooting, and input/output addressing will be covered in detail. Operation of logic gates and logic circuits will include Boolean expressions. Hands-on applications will reinforce the learning process. Prerequisites: ETL124, ETL127.

ETL222 Introduction to Instrumentation **3 Credits**

This course is designed to provide the student with an introduction to the basic principles of instrumentation and process control. It includes a thorough discussion of the various instruments used in industrial applications. The operating principles of these instruments will be covered and actual examples of instrument applications in process control will be emphasized. Measurement of temperature, pressure, level, flow, and humidity and what part these variables play in an industrial process will be covered in detail. Prerequisite: ETL221 or permission of the instructor.

ETL225 Photovoltaic and Small Wind Electrical Systems **3 Credits**

This course is designed to introduce students to photovoltaic (PV) and small wind electrical systems. It will include coverage of topic areas such as photovoltaic basics, PV modules, inverters, charge controllers, batteries, and mounting techniques. Also covered will be small wind power electrical generation, including wind basics, wind turbines, towers, and installation techniques. Instruction in proper installation safety procedures will be presented throughout the course. Co-requisite: ETL122 or permission of instructor.

FRE101 Elementary French I (H) **3 Credits**

This beginning course is designed to give students basic fluency in spoken and written French. Students will learn pronunciation and basic sentence and question patterns necessary to converse effectively and appropriately in everyday situations. Students will also learn to read signs, menus, and timetables, as well as simple prose. In addition, discussions about the country, its people, and customs will give students an understanding and appreciation of the culture. This course is taught using the immersion technique; that is, the class is taught in the foreign language itself.

FRE102 Elementary French II (H) **3 Credits**

This course reinforces and augments the vocabulary and skills introduced in the first semester course. Using role play based on real-life situations, students will practice pronunciation and communication skills while increasing active vocabulary. Reading and comprehension will be reinforced with selected excerpts from literature, poetry, and media which emphasize French history, culture, and traditions. This course likewise will be taught using the immersion technique. Prerequisite: FRE101 or one year of high school French or permission of the instructor.

FSN101 Introduction to Food Science **4 Credits**

This combination lecture and laboratory course provides an introduction to food chemistry, food processing and preservation, food microbiology, fermentation, product quality, food laws, food safety, food toxicology and product development.

FSN103 Food Processing I **4 Credits**

This course is an introduction to food processing and preservation operations. Topics include ambient temperature and heat processing, chilling and freezing, and post-processing operations. Students will apply their knowledge in the food processing laboratory.

FSN121 Sustainable Food Systems **3 Credits**

This course will explore the complexity of a contemporary food system, beginning with local food systems and then broadening regional, national, and international food systems. Students will examine the cultural, political and economic factors that influence the production, harvest, processing, distribution, marketing and waste management of food.

FSN125 American Food (H) **3 Credits**

Food production, preparation, and consumption within the United States as influenced by historical events and trends.

FSN211 Human Nutrition (SC) **3 Credits**

The purpose of the course is to assist the student in developing, understanding and applying concepts and principles of food and human nutrition. Prerequisite: 100-level or higher college science.

GEO101 Introduction to Geography (H) **3 Credits**

Introduction to Geography presents students with the basic concepts, methods and major themes of the discipline of Geography. This course examines how geography fits into the social and natural sciences, how geography integrates knowledge, and how geographers use maps and geographical information systems (GIS) to represent and study the earth and its peoples. The major subdisciplines of human and physical geography are also addressed.

HAC106 Heat Pumps and Air Conditioning **3 Credits**

This course will describe the general theory behind the refrigerant cycle, and how it is used to create heat or air conditioning. Students will learn how to service and check the efficiency of heat pumps and air conditioning units. Students will be presented with the regulatory requirements of handling refrigerants, and prepare for the EPA certification test. Prerequisite: Two years of high school algebra or the equivalent.

HAC200 Introduction to Natural Gas and Propane **1 Credit**

This course will cover Books CETP 1.0 and PERC FGT 1.1 and will provide students with an overview of key concepts and strategies for Propane and Natural Gas personnel and will aid in preparing the student for NPGA's CETP certification, and the requirements for the Maine State Propane & Natural Gas Technician license. CETP certification for Appliance Connection and Service Technician is comprised of 6 Books: Book 1.0, Book 4.2, Book 4.3, Book 4.4, Book 4.5 and Book 4.6, Maine State requires Book PERC FGT 1.1. Co-requisite: HAC201.

HAC201 Heating System Fundamentals **6 Credits**

This course will provide students with the theory and practice of the heating systems skills needed as an HVAC technician. Theoretical studies will be backed up with hands on laboratory exercises. Students will practice installing and troubleshooting heating systems that are commonly seen in the field. The course will prepare students to take the NORA Bronze Level Certification Exam, CETP Book 1.0 Basic Principles and Practices of Propane – Certificate/Exam, PERC Book 1.1 Fuel Gas Supplement, Maine Natural Gas Supplement – Certificate/Exam. Exams will be administered during the course.

HAC202 Advanced Heating Applications **6 Credits**

This course will introduce students to the fundamental natural gas and propane technologies, and is specifically designed toward the knowledge and skills required to become a licensed appliance connection and service technician. Course content matches the materials used in three National Propane Gas Association (NPGA) Certified Employee Training Program (CETP) certification areas. Also this course will prepare students with the fundamentals and hands-on skills required to service and install oil systems. This course is a continuation of HAC201 where the basic fundamentals of combustion theory were introduced. Prerequisite: HAC201.

HAC205 Propane and Natural Gas **3 Credits**

This course will introduce students to the fundamental principles and practices of propane and natural gas technologies, and is specifically designed toward the knowledge and skills required to become a licensed appliance connection and service technician. Course content matches the materials recognized by the following three agencies: National Propane Gas Association (NPGA), Certified Employee Training Program (CETP), and Propane Educational Research Council (PERC). Co-requisites: HAC201 and HAC202.

HIS111 U.S. History I (H) **3 Credits**

This course not only examines the social, political, and economic forces that shaped the first hundred years of this nation's history, but also the influence of such great personalities as Franklin, Jefferson, Washington, Jackson, and Lincoln.

HIS112 U.S. History II (H) **3 Credits**

This course examines the second hundred years of American history, specifically the rise of industrialization and urbanization and the emergence of the U.S. as a world power.

HIS120 Art History Prehistoric to 16th Century (H,FA) **3 Credits**

This humanities / fine arts survey course examines art as an expression of experience in different periods and cultures, from prehistoric to contemporary. Students will choose an area of art that interests them and develop a specialized in-depth knowledge through research based on a period, a stylistic movement, a medium, a focus based on specific locations, or a combination. Visiting museums, galleries, and/or artists' studios are integrated into the course activities.

HIS121 Art History 16th Century to Present Day (H,FA) **3 Credits**

This humanities / fine arts survey course examines art as an expression of experience in different periods and cultures, from prehistoric to contemporary. Specifically, this course focuses on the art and architecture of the Reformation movement, Baroque style, Impressionism, Romanticism, the Industrial Age, and Modern Art. Additionally, Islamic, African, Asian, and Central and South America art and architecture will be covered. Students will choose an area of art that interests them and develop a specialized in-depth knowledge through research based on a period, a stylistic movement, a medium, a focus based on specific locations, or a combination. Visiting museums, galleries, and/or artists' studios are integrated into the course activities.

HIS202 History of Maine (H) **3 Credits**

Maine's history is forever bound up with natural resources above and below its land and sea, such as forests and fisheries. Maine's major economic activities—lumbering, granite quarrying, shipbuilding, farming, papermaking, manufacturing, and tourism—are usually tied in some way to these resources. Chief among these resources has always been the people of Maine, including the Wabanaki and subsequent immigrant groups. This course examines the history of all Maine's peoples as they built economic, political, and socio-cultural systems from pre-colonial times to the present. Prerequisite: ENG101, any 100-level history course, or permission of the instructor.

HIS205 Architectural Style and Construction in New England (H) **3 Credits**

This course will provide a historical overview of architectural style, form, and material use in New England from the 1600's to present day. Students will examine changing traditions in architectural design and construction through the lens of economic, cultural or social shifts in American history. Global influence and vernacular architecture will provide the context for building throughout the nation's early colonial history up to the industrial revolution. As American architecture becomes increasingly complex with population growth and industrial development, particular attention will be paid to the rapid changes in architectural style, construction techniques, and building material used throughout the late 19th and 20th centuries. The oil crisis of 1973 and the advent of building science as a professional discipline will be covered as they relate to current practice in architectural design and construction. Prerequisite: SDB103.

HIS212 America and the Cold War Years (H) **3 Credits**

This course will introduce the student to the political, economic, and social stresses of the Cold War era that lasted from the end of World War II until the present. Emphasis will be placed on such developments as the Cold War psyche, the civil rights movement, entitlement programs, the United Nations, and such international conflicts as Korea and Vietnam. Prerequisite: ENG101, any 100-level history course, or permission of the instructor.

HIS214 America and the Vietnam War (H) **3 Credits**

This course will cover the Vietnam War in depth, starting with the history of French Colonialism in Indochina during the 19th century, through World Wars I and II. Special note will be taken of the struggle for Vietnamese independence which began in the early twentieth century. The course will cover how and why the United States became involved, how the war was fought, and what its long term importance has been for the Cold War, U.S. foreign policy, and the men, women and civilians from both countries who were involved in the war. Prerequisite: ENG101, any 100-level history course, or permission of the instructor.

HIT101 Introduction to Health Information Technology **3 Credits**

This course introduces the student to fundamental theories of data management in the healthcare setting. Historical and current recordkeeping practices will be explored as well as a basic overview of health care delivery systems. Topics include the role of accrediting and regulatory agencies, facility and staff organization, health record content, record management, and the transition to an electronic patient record. The student will apply theory in a series of hands-on activities in chart analysis, forms design and control, file management, and data display with an emphasis on computer applications. Prerequisite: HIT major; Co-requisite: ENG101.

HIT132 Legal, Ethical and Regulatory Issues **3 Credits**

This course covers medico-legal aspects of health records management, legal issues related to medical record keeping and includes a study of accreditation and regulatory agencies for health care facilities. Medicolegal aspects will focus on release of information practices, laws governing health records and retention, the medical record as a legal document, and confidential and privileged information. Health care risk management, quality issues and utilization review processes are studied with the focus on legal aspects to include an introduction to the U.S. court system, due process, physician and clinician liability, and the impact of managed care on health information management practices. The expanding role of medical record information, computerization of patient related data, and the profound impact on traditional legal issues is explored. Prerequisite: HIT101 or permission of instructor.

HIT136 Introduction to Coding & Classification **3 Credits**

This course introduces the student to the basic concepts and conventions of the coding and classification schemes used across health care settings including structure, rules, and guidelines. A history of nomenclatures and classification systems is covered as well as the relationship between coding and health care reimbursement, ethical coding conduct and compliance with federal, state, and accreditation requirements. Prerequisites: BIO213, HIT101, MAS102 or enrolled in Medical Coding certificate program.

HIT138 Revenue Cycle and Reimbursement Systems **3 Credits**

This course emphasizes the principles and techniques of clinical classification and reimbursement systems in healthcare settings. This course will test the students' coding competency and skills; identify and analyze revenue cycle monitors; explain organizational plans and budgets; apply resource allocation and revenue cycle monitors; review quality control and compliance issues of the coding function, and federal government compliance institutions. Other topics will include reimbursement software applications, data definitions, accreditation standards, compliance and regulatory requirements, professional ethics, interpersonal skills development, and content of the clinical information as it relates to coded data. Prerequisite: HIT101; Co-requisites: HIT132, HIT136.

HIT201 ICD-10-CM/PCS Coding and Classification Systems **4 Credits**

This course introduces the student to coding and classification schemes for hospital inpatients. The emphasis is on International Classification of Disease-10th-Clinical Modification (ICD-10-CM/PCS) as well as the current ICD-9-CM. Practical application of coding includes basic to intermediate levels with a brief introduction to advanced concepts. Students will study the use and application of codes in the development of indices and as a mechanism in the reimbursement process. Prerequisite: HIT136; Co-requisite: BIO216.

HIT210 Management Concepts for Health Care Organizations **3 Credits**

The scope of this course is for students to learn an array of business and management principles that are relevant in today's health care environment. These principles should provide each student with a solid business foundation from which they can build on in the workplace. This course will discuss reimbursement methodologies, financial and resource management as it relates to the various healthcare delivery systems. Basic accounting practices will be explained. In addition concepts in Human Resource management will be applied the healthcare delivery systems. Prerequisites: HIT101, HIT132, HIT136; Co-requisites: HIT142, HIT211.

HIT211 Health Data Collection **3 Credits**

This course covers the basic principles of compiling statistics for health care facilities. Topics include definitions of terms, analysis of hospital services, monthly and annual reports, statistical formulas, and report writing. Also covered are creation and maintenance of indexes and registers and their correlation when compiling statistics. A segment will be devoted to the Prospective Payment System with particular focus on (a) information management databases utilized by the Department of Health and Human Services, and (b) interpretation and application of PPS rules and regulations. Students will analyze statistical information utilized in Health Management Information

Systems. This course introduces and compares various third party payer models, their billing requirements, and claims processing. Prerequisites: CPT117, HIT101, MAS102, MAT113.

HIT212 Quality Improvement **3 Credits**

This course is an exploration of continuous quality improvement principles in the health care setting and their relationship to the health information profession. Theories and practice will include QI, data collection, analysis, and problem solving techniques. Utilization review and risk management topics are also included. Prerequisites: HIT201, HIT210, HIT211.

HIT222 CPT-4-Coding **4 Credits**

This course provides the Health Information Management student coding instruction in CPT-4/HCPCS. Students will be expected to apply decision-making in record review for complete, accurate, and timely coding. CPT-4/HCPCS coding will also be practiced and applied in conjunction with ICD-10-CM, for hospital ambulatory surgery and the physician's office. The CMS developed prospective payment system for ambulatory care will be reviewed. Students will study and apply ethical coding standards. Prerequisite: HIT201.

HIT243 Directed Clinical Practice **4 Credits**

This course provides practical experience with health information management in a hospital and alternative health care setting. Students practice all aspects of health information management functions, to include qualitative and quantitative analysis, release of information, review of legal issues, health statistics, classification and indexing systems, quality assurance, utilization review, and risk management. An introduction to the supervisory management function is also provided. The student will assist the Clinical Supervisor with managerial functions. Students will spend one hundred and twenty (120) hours in an acute care setting and forty-eight (48) hours in an alternative health care setting. Prerequisites: HIT201, HIT210, HIT211.

HIT245 Seminar in Health Information Technology **3 Credits**

This is a capstone course designed to review professional and practical skills that includes the connection between professionalism and professional/personal ethics, and applying them in an independent project. Students will be expected to develop a project plan; establish goals and objectives; collect and analyze information; and prepare and deliver an oral presentation. The course also includes a concentrated program course review in preparation for the national certification exam which will include a Mock RHIT exam. Career planning will also be included in this course. Prerequisites: Senior status, HIT142, HIT201, HIT210, HIT211.

HON112 Civic Engagement Seminar (SS) **3 Credit**

This course is designed to introduce students to Civic Engagement and Service-Learning. The core elements of the course are (1) service activities that address identified social needs, and (2) structured educational components that challenge students to think critically about and reflect on their service-learning experiences as they apply to their other courses, their college career, and to their role as citizens. Through participation in this course, students will develop an awareness of different learning styles, practice effective interpersonal communication skills, and gain empathy for individuals with diverse background. Prerequisites: Permission of the instructor.

HON202 Honors Seminar (H) **3 Credits**

This interdisciplinary honors seminar is part of the requirements for the honors program. This course will prepare students for the next step in their academic and professional lives by further development of their ethical reasoning, critical thinking and problem solving skills. Students will conduct sustained inquiry, integrating primary and secondary research, and advance their written and oral communication skills. By examining the self, and the world, through cultural, social, and economic lenses, students will increase understanding of themselves and the world around them. Students will use the knowledge acquired in this course to engage with their community in mindful and meaningful ways, to create and present a major portfolio of work, and to develop strategies for academic and/or professional growth. Prerequisites: ENG101, students must have a 3.5 GPA.

HUM101 Multi-Cultural Nature of American Society (H) **3 Credits**

This course will examine, through selected interdisciplinary readings, the experience of several ethnic groups in American society, specifically African Americans, Native Americans, Hispanic Americans, and Asian Americans. As appropriate, an individual instructor may elect to include other significant groups as time allows. Students will

explore the historical and social experiences of these groups and their cultural contributions to the diversity of our American society. Prerequisite: ENG101 or ENG108 or ENG112, ENG109.

HUM215 Gender Studies (H) **3 Credits**

This introductory course will explore the history of gender studies through exploring feminism and the women's movement, the men's rights movement, gender theory, transgender and non-binary identities, gender based violence, reproductive justice, and more. We will investigate what it is like to be a man, woman, intersex, or trans person in the United States. Students will be asked to reflect upon their own understanding of gender as well as their own personal beliefs, values, and opinions about gender. Prerequisite: ENG101 and COM104 or COM105.

INT201 Seminar in Inquiry (H) **3 Credits**

This writing-intensive course is intended as a capstone course to be taken during the student's final term and will provide students the opportunity to apply their research, critical thinking, and ethical decision-making skills to investigate an important contemporary issue. Through examinations of interdisciplinary readings, class discussions, and self-reflection students will choose a research topic. Students will then design, research, write, and present a major project related to their topic through which they demonstrate effective oral and written communication. Prerequisites: A grade of "C" or higher in COM104, ENG101, ENG121, HUM101 or ANT101, and PSY101 or SOC101.

MAS101 Introduction to Medical Assisting **3 Credits**

This course is designed to provide the student with the essential skills for professional personal attributes and administrative management of a medical office. They will be introduced to professional and career responsibilities, cultural diversity, stress management, communication techniques, records management, administrative responsibilities, and daily financial, billing, accounting, and collection practices. Students will have to demonstrate competency in telephone triage on an entry level basis as well as develop a procedure manual.

MAS102 Medical Terminology **3 Credits**

The student will develop a basic understanding of the medical language employed in the health care professions utilizing word analysis and application of medical terms to anatomy, physiology, and pathophysiology of the human body.

MAS110 Medical Documentation **3 Credits**

This course will allow students to have a unique, hands-on learning approach within a simulated medical office setting. The student will have a complete understanding of electronic health record documentation as well as how a medical office functions. This class will provide students with a realistic practice of all the tasks they will encounter in a professional medical office. Co-requisite: MAS101.

MAS114 Medical Office Law and Ethics **3 Credits**

This course is designed to provide the student with the essential foundations of law and ethics within a medical office setting. They will be introduced to professional and career responsibilities, courts, contracts and defenses, professional liability, and medical malpractice, Privacy law and HIPAA, and workplace legalities.

MAS115 Medical Assisting Clinical Theory **3 Credits**

This course is the first of a two-part sequence dealing with the role of the medical assistant in health care. Student learning will be focused on infection control procedure, types and uses of personal protective equipment (PPE), and emergency protective practices. There will be an introduction to the medical assistant's role in obtaining patient histories and documentation within an EMR, assisting in physical exams for all of the medical specialities; and obtaining vital signs. In addition, the student will evaluate safe work environments, prepare and implement emergency preparedness plans. Prerequisites: BIO213, MAS102; Co-requisite: MAS114, MAS117 or permission of instructor.

MAS117 Medical Assisting Clinical Lab **1 Credit**

This course is the competency-based laboratory component accompanying Clinical Theory. Students will perform clinical procedures introducing them to the medical assistant's role in the physician's office and medical laboratory. Prerequisites: BIO213, MAS102, MAS114; Co-requisite: MAS115.

MAS211 Insurance and Coding for the Medical Office **3 Credits**

Students will apply computer skills that will simulate the flow of insurance and coding methodologies as it relates to a medical office setting. Student will process insurance claims as well as apply the codes necessary for reimbursement. Prerequisites: BIO214, MAS114, MAS116, MAS121; Co-requisite: BIO216 or permission of instructor.

MAS215 Advanced Medical Assisting Clinical Theory **3 Credits**

This course explores the principles and methodologies for providing patient care specific to a medical assistant. A special focus will be made upon pharmacology including dosage calculations and the administration of medication, proper procedure for electrocardiography, phlebotomy, and the performance of diagnostic testing within the physician's office laboratory and/or the hospital laboratory. In addition, the student will prepare and implement appropriate patient educational tools. Prerequisites: BIO214, MAS101, MAS102, MAS114, MAS115, MAS117; Co-requisites: BIO216, MAS217 or permission of instructor.

MAS217 Advanced Medical Assisting Clinical Lab **2 Credits**

This course is a competency-based laboratory experience. The student will be provided with practice in clinical skills performed by medical assistants. Prerequisites: BIO214, MAS101, MAS102, MAS114, MAS115, MAS117; Co-requisites: BIO216, MAS215 or permission of instructor.

MAS220 Pathophysiology/Pharmacology for the Medical Office **3 Credits**

This course will examine the fundamentals of pathophysiology as it is manifested within each body system. It will include pathogenesis, etiology, clinical manifestations, current diagnostics, pharmacology and other treatment modalities. The student will gain an in-depth review of the effect of aging for each body system. In addition, students will identify current medications and mode of action for specific diseases. Prerequisites: BIO119 or BIO213, MAS102, or permission of instructor.

MAS234 Clinical/Administrative Office Practicum **5 Credits**

This course allows the student to gain practical experience in providing clinical care to patients and performing administrative tasks that occur in a medical practice. Students will be placed in a primary site, a physician's office or rural health clinic, for 190 hours of their training. In addition, they will participate in a 32-hour rotation where they will gain in-depth experience at a hospital or in-house based laboratory to perform phlebotomy and associated lab tests. A mock CMA (AAMA) credentialing examination will be scheduled in preparation for the national CMA (AAMA) credentialing examination at the end of the semester. These examinations are required to complete at the end of this course. Prerequisites: BIO216, MAS211, MAS215, MAS217.

MAT026 Foundations of Mathematical Reasoning **3 Credits**

This course is designed to assist students to develop the language of mathematics and strong reasoning skills in preparation for a level 100 mathematics course. This course is intended for students who have a basic understanding of arithmetic operations, fractions, decimals and percentages and can use graphical representations on a number line. Review of these concepts will be integrated through preparatory lessons, resources and/or tutoring in the mathport@L. Important goals of the course are to interpret and communicate quantitative information, to make sense of problems and to develop multiple strategies for solving them, to explain understanding of concepts in multiple formats. There is a strong focus on increasing student engagement and which deepens learning and builds confidence. This course does not meet graduation requirements.

MAT111 Quantitative Reasoning **3 Credits**

Quantitative Reasoning provides a foundation in critical thinking, problem solving, and mathematical skills aligned with citizenship, workforce and real-world applications. The goals of the course are to engage students in meaningful mathematical experiences that will increase their quantitative and logical reasoning abilities and to strengthen the mathematical abilities that they will encounter in other disciplines. Developing and supporting communication and collaboration skills when doing mathematics will be a focus of the course. This course is particularly designed as a gateway for students entering non-STEM degree programs. See page 31 for course placement information using multiple measures.

MAT112 Foundations of Math for Teachers **3 Credits**

This course is designed for future or current early childhood educators to deepen conceptual understanding of the mathematics they teach. Topics of exploration include counting and cardinality, number and operations, place

value, patterns and their importance in developing algebraic thinking, shapes and spatial sense, and estimation and measurement. The following ideas will be integrated throughout the course: growth mindset, problem solving, the use of mathematical language, and the eight standards for mathematical practice. Prerequisites: MAT026 or equivalent, knowledge of using Brightspace and the Internet. See page 31 for course placement information using multiple measures.

MAT114 Technical Math **3 Credits**

This course will provide students with the concepts, principles, and problem solving techniques and skills needed in diverse occupational fields. Interactive techniques will be used which emphasize an understanding of the topics followed by applications of math concepts using problem solving computations. Topics covered include the numbering system, percents, charts, tables and graphs, calculations in both S. I. (metric) and the English systems, algebraic operations, simple equations, ratio and proportions, fundamentals of plane geometry, angular measure, triangles, area and volume calculations of various geometric shapes, introduction to right angle trigonometry. See page 31 for course placement information using multiple measures.

MAT117 College Algebra **3 Credits**

The emphasis of this course is on problem solving. This course unifies the traditional analytical methods of Algebra with the graphing technologies in order to solve problems modeled by a variety of functions such as linear, quadratic, absolute value, polynomial, and exponential. The central theme is authentic applications from traditional disciplines such as the physical sciences and engineering, as well as applications from business, economics, social sciences, life science, health science, sports, and other areas of student interests. This course provides the foundation necessary for success in future studies of mathematics. See page 31 for course placement information using multiple measures.

MAT200 History Of Mathematics (H) **3 Credits**

This course offers an advanced-level introduction to the development of mathematics from antiquity to the present. Major themes in mathematics will be explored including arithmetic, algebra, geometry, trigonometry, calculus, probability, statistics and advanced mathematics. These themes will be studied in the context of various civilizations, ranging from Babylonia and Egypt through classical Greece, the Middle and Far East, and modern Europe. The course aims at serving the needs of a wide student audience as well as connecting the history of mathematics to other fields such as the sciences, engineering, economics and social sciences. Topics covered include ancient mathematics, medieval mathematics, early modern mathematics and modern mathematics. Prerequisite: "C" or better in MAT111 or equivalent.

MAT214 Technical Mathematics II **3 Credits**

This course is a blend of Algebra and Trigonometry. Topics will include: solving linear functions, right and oblique triangle theory, degree and radian measure of angles, trigonometric functions of any angle, circular functions, and vectors. Applications to various disciplines will be used with an emphasis being placed on topics generally associated with the electrical/electronic and machining fields. Prerequisite: "C" or better in MAT114

MAT218 Trigonometry **3 Credits**

This course is designed to help students lay a foundation for advanced study in mathematics. Topics to be considered will include right and oblique triangle theory, degree and radian measure of angles, trigonometric functions of any angle, basic trigonometric identities, graphs of circular functions, harmonic motion, and vectors. Applications to various disciplines will be used for real-world problem solving with an emphasis being placed on topics generally associated with the electrical/electronic field. Prerequisite: Minimum grade of "C" in MAT117 or equivalent.

MAT220 Applied Statistics **4 Credits**

This course approaches statistical concepts by utilizing case studies where students will perform statistical analyses and interpret the results. Topics covered will include concepts needed to understand, conduct, and interpret common statistical procedures and techniques. Case study analyses will include descriptive and inferential statistics as well as advanced topics including regression analysis and modeling. Topics may vary based on current events. Prerequisite: Minimum grade of "C" in MAT111, MAT117 or MAT120 or equivalent.

MAT225 Math for Business and Economics **3 Credits**

This is an application-based course where students will solve problems from business economics and science. There will be a strong emphasis on mathematical modeling of real world data. The use of graphing technology and spreadsheets will be a prominent component of the course. Topics considered will include polynomial regression analysis, linear systems and linear programming, mathematics of finance, and introductory statistics. Prerequisite: Minimum grade of "C" in MAT117 or equivalent.

MAT226 Precalculus **4 Credits**

This course will include function theory and graphs of polynomial, rational, exponential, and logarithmic functions; trigonometric functions and identities; an introduction to limits and calculating limits. Algebraic methods and graphing technology will be emphasized throughout the course.

MAT227 Calculus I **4 Credits**

This one-semester course is an introduction to calculus for a general audience. A strong algebraic and trigonometric foundation will be essential. Topics will be investigated for a conceptual understanding of the mathematics involved and accommodate diverse applications. The use of technology in real-world problem solving will give students a deeper understanding of the material. Sample topics include: functions, limits, derivatives, optimization, and integration. Prerequisite: MAT218 or MAT226 or equivalent.

MHT101 Mental Health Seminar **1 Credit**

This course is designed as an introductory seminar in which the student will have the opportunity to explore the overall building blocks for success in college, understanding that the journey of college is a time of personal growth and change, and begins with establishing a sense of identity, while exploring the values and thoughts of others. This course will help aid in successful acclimation to life at Kennebec Valley Community College (KVCC), and provide the student with opportunities to acquire knowledge skills that will contribute to success at KVCC. The course is an extension of the student orientation experience. Much of the course will also focus on specific areas of knowledge, skill, and personal reflection that are important for success in the Mental Health Rehabilitation Program or Certificate.

MHT105 Mind-Body Connection **3 Credits**

In this course, students will explore how the mind affects well-being and the physical body. History and current literature supporting the mind body connection, assessment, and intervention will be presented. Implications for understanding mind body health relative to quality of life will be emphasized. Co-requisite: MHT101 and ENG101.

MHT130 Diversity and Culture **3 Credits**

This course will examine both analytical and practical approaches to cultural competency as it relates to mental health. Students are introduced to relevant services that are respectful of the culture of the consumer, their family, and community. Cultural competency encompasses behaviors, attitudes, and policies that are integral in cross-cultural settings and situations, including race, ethnicity, language, thoughts, communications, actions, customs, beliefs, and values of any social group. Prerequisites: MHT101 and ENG101.

MHT135 Substance Abuse **3 Credits**

This course will examine current literature on substance abuse, paying particular attention to its impact on special populations. High risk populations will be discussed, as well as areas of need of specific populations. Students will read the required textbooks and participate in class discussions designed to help develop and enhance their learning. Prerequisite: MHT101.

MHT201 Policy Knowledge **3 Credits**

This course will explore the awareness of relevant regulations and how to support a consumer in effective self-advocacy within the existing health and human services system. The course uses an interactive, seminar format to analyze major policy problems and opportunities related to mental health.

MHT204 Behavioral, Psychological and Rehabilitation Intervention Models **3 Credits**

This course provides an overview of the history, philosophy, legislation, organizational structure and trends in intervention models. Students will explore cultural, social and environmental barriers to the inclusion of people with disabilities. Students will learn how to properly establish rapport, communicate effectively and respectfully,

and work collaboratively with clients to support recovery. Prerequisite: MNT101 and COM104 or COM105, Co-requisite: MHT204.

MHT205 Trauma and Resiliency **3 Credits**

This course examines the impact of trauma on individuals, families, and communities. Students will explore the processes of resilience including grieving and growth. Cultural influences, ethical issues, social services, and theories of helping will be emphasized as students work towards becoming resources for survivors. Prerequisite: PSY101, COM104 or COM105, Co-requisite: MHT204.

MHT225 Community Integration and Inclusion **3 Credits**

Building upon an understanding of the social systems model, this course examines the various approaches to case management in a range of settings. Students will learn to perform a thorough psychosocial assessment to inform a collaborative, person-centered and outcome-focused plan of care and use of systemic and natural supports to facilitate an individual's progress toward their goals. Prerequisite: MHT201 and MHT130.

MHT227 Vocational Supports **3 Credits**

Students will learn the vocational factors that need to be reviewed and considered prior to developing a vocational goal and implementing an Individual Plan for Employment (IPE) for a qualified individual with a disability. This will include appropriate vocational assessment tools including the Job Readiness Assessment used in the Bureau of Rehabilitation Services and other sources for understanding medical and psychological diagnosis and their relationship to functional capacities of individuals with disabilities. Labor market surveys, general marketing and other business community relationship building will be reviewed. Specific intervention, accommodation and other on-site supports will be discussed both from a theoretical and practical perspective. Actual skill acquisition modules will be presented as case studies that will provide opportunities to use the knowledge gained in real-world applications.

MHT230 Ethics & Professional Conduct **3 Credits**

This course will introduce students to professional, ethical and legal issues that affect the mental health professionals. Ethical decision-making, understanding and applying ethical codes and laws, and opportunities to develop critical thinking skills will be emphasized and practiced throughout the course. We will explore the Maine MHRT Code of Ethics with a focus on real life dilemmas that will help students to improve ethical decision making and thus reduce potential professional transgressions. Prerequisites: MHT101 and MHT201.

MHT232 Advanced Topics in Substance Abuse **3 Credits**

This course will build upon information presented in the MHT 135 Substance Abuse class. The goal of this class is to expand the student's knowledge of all aspects of substance abuse prevention and treatment. Furthermore, this course aims to increase a student's ability to critically think and debate various divergent theories and approaches to helping people struggling with substance abuse related issues. The course will explore various aspects of substance abuse included; the etiology of addiction, physiological and psychological aspects, understanding factors that both encourage or discourage the abuse of substances, reviewing current substance abuse research and reducing the risks of substance abuse on the abuser and affected others. Prerequisites: MHT135.

MHT235 Mental Health Senior Seminar **1 Credits**

A weekly seminar to assist the senior student in transitioning from the student role to the professional role with an exploration of some of the possible difficulties. Issues such as obtaining employment, ethics, burnout, and establishing a support network will be covered.

MHT236 Counseling Co-Occurring Mental Disorders and Addiction **3 Credits**

This course is designed to prepare students to work in the field as Certified Alcohol and Drug Counselor. The content was developed to assist in the preparation process for a student to take the standardized IC & RC Alcohol and Drug Counselor Examination which is used as the state of Maine Certified Alcohol and Drug Counselor (CADC) licensing exam. When engaging with consumers as an alcohol and drug counselor you will learn how to screen for substance use, mental health and medical concerns. How to engage consumers to appropriately address their needs and create an individualized treatment plan. We will review the importance of collaboration with others, including the consumer's family, and making appropriate referrals. Documenting the care provided will be presented including confidentiality and privacy expectations. Lastly, the course will explore the professional and ethical responsibilities for alcohol and drug counselors. Prerequisites: MHT110, MHT135.

MLT103 Phlebotomy **6 Credits**

This course is designed to prepare students to become certified phlebotomists. Included in the course are topics regarding the ethical and legal aspects of phlebotomy, medical terminology, anatomy and physiology, and safety/basic precautions. Venipuncture technique is taught. Satisfactory completion of 100 hours of clinical rotation in a hospital lab is required Co-requisite: MAS102.

MUS101 Listening to Music (H,FA) **3 Credits**

In this course, students will be introduced to diverse musical cultures. Students will study musical elements such as melody, harmony, and rhythm, while also closely studying the historical and cultural context for different music and musical styles. Musical selections will present a historically, culturally, and stylistically broad range.

MUS109 Studies in Experimental Music (F) **3 Credits**

In this participatory learning course students will study aspects of Experimental Music history and engage with this material by creating their own experimental artistic works. While this course and its methods will involve both the study and performance of music, no previous experience as a performer or musician is expected.

MUS117 History of Rock and Roll (F) (H) **3 Credits**

This course is an exploration of the history of American popular music in the late 20th century. The course will trace Rock music from its roots in jazz, blues, country-western, and gospel music to its emergence as a global musical language.

NUR118 Foundations of Nursing **8 Credits**

This course is designed to introduce the student to concepts that form the foundation for the practice of nursing. Student learning is focused on the basic human needs of individuals presented within the framework of the nursing process. Emphasis is placed on selected stressors that impact health, and/or the prevention of illness. Basic principles of nutrition and pharmacology are presented throughout the course. NUR118 involves a laboratory experience and a clinical experience in selected long-term health care facilities and hospital settings which provide an opportunity for students to develop and practice basic nursing skills. Co-requisite: NUR119

NUR119 Transition to ADN Education **1 Credits**

This course is designed to provide the concepts and theory necessary for the successful transition of the newly admitted student to the role of the KVCC Associate Degree Nursing student. An introduction to the philosophy and conceptual framework of the Nursing Program is presented. Student learning is also focused on the transition to the nursing student role, communication among healthcare professionals using approved medical terminology, and the application of mathematical principles to dosage calculations. Students will also have the opportunity to learn/refine writing skills using the APA format.

NUR122 Nursing Across the Life Span I **9 Credits**

This course provides students the opportunity to understand the biopsychosocial aspects of individuals throughout the life span. The developmental needs of individuals from birth to death are explored, along with common health problems encountered in each age group. NUR122 involves a clinical laboratory experience which utilizes the nursing process in the provision of nursing care at the ADN level to individuals and families in maternal-child and acute structured health care settings. Prerequisites: BIO213, ENG101, MAT117, NUR118, or current Maine LPN License; Co-requisites: BIO214, PSY101. *CLOCK HOURS: 75 classroom; 180 clinical/lab.

NUR126 LPN Transition to the ADN Role **1 Credit**

This course is designed to provide the concepts and theory necessary for the successful transition of the LPN to the role of the Associate Degree Nurse. An introduction to the philosophy and conceptual framework of the nursing program is presented. Student learning is also focused on the transition to the student role, the differences between the LPN and RN roles, RN competencies, and the application of the nursing process. Prerequisite: admission to Nursing program; Co-requisite: NUR122. *CLOCK HOURS: 15 classroom.

NUR224 Nursing Across the Life Span II **9 Credits**

This course presents a conceptual and developmental approach to the biopsychosocial aspects of individuals experiencing acute and chronic alterations in health throughout their life span. NUR224 involves a clinical laboratory experience which utilizes the nursing process in the development and the provision of nursing care at the ADN level to individuals in a variety of structured health care settings. Prerequisites: BIO213, BIO214,

ENG101, MAT117, NUR122 or NUR126, PSY101; Co-requisites: BIO219, PSY215. *CLOCK HOURS: 75 classroom; 180 clinical/lab.

NUR227 Nursing Across the Life Span III **7 Credits**

This course presents a conceptual and developmental approach to the biopsychosocial aspects of individuals experiencing complex alterations in health throughout the life span. NUR227 involves a clinical experience which utilizes the nursing process in the development and provision of nursing care at the ADN level to groups of individuals in a variety of structured health care settings. Prerequisites: BIO214, BIO219, ENG101, MAT117, NUR224, PSY215; Co-requisites: COM104, NUR229, Humanities Elective, Sociology Elective. *Clock Hours: 75 classroom; 90 clinical.

NUR229 Transition into Nursing Practice for the ADN **2 Credits**

This course provides a forum in which students explore concepts within the healthcare domain and the profession of nursing that impact the practice of the associate degree nurse. Topics include healthcare system organization and resources, quality improvement, informatics, nursing education, legal and ethical issues, nursing management and leadership, and strategies for self-care. NUR229 includes practicum experiences that provide students opportunities to understand diverse professional nursing roles in a variety of community health care settings. Emphasis will be placed on the management of patient-centered care, self-care, and transition to the workplace including conflict resolution. Prerequisites: BIO213, BIO214, BIO219, ENG101, MAT117, NUR224, PSY101, PSY215; Co-requisites: COM104, NUR227, Humanities Elective, Sociology Elective. *Clock Hours: 30 classroom.

OTS101 Introduction to Occupational Therapy and Human Occupation **7 Credits**

OTS101 is the foundation course for the Occupational Therapy Assistant program. It introduces Occupational Therapy as a profession as well as the concepts of occupation, engagement and participation, occupational performance, activity analysis and evidence-based practice. Cultural competence, health literacy, diversity, individuality, wellness, and the occupation-person connection are presented relative to Occupational Therapy practice. Emphasis is placed on general health concepts, Occupational Therapy philosophy, history, language and ethics. Therapeutic use of self, values, roles and responsibilities of Occupational Therapy practitioners are explored. Students learn about balance through the concepts of productivity, pleasure, and restoration. The role of professional competency, state licensure, national certification and MHRT/C certification are introduced. OTS101 involves both an integrated learning lab as well as an open-practice lab providing students with the opportunity to learn, practice and demonstrate basic clinical skills and teaching learning processes. A self-paced online medical terminology module is included in this course. Co-requisites: BIO213, ENG101, PSY101.

OTS103 Functional Kinesiology **3 Credits**

This course presents the biomechanics and kinesiology of human occupation. Students will learn to apply the principles of biomechanics, kinesiology, and neuroscience in occupational therapy assessment and intervention. Human anatomy and the nervous system will be reviewed and examined as they relate to human movement and occupation. Case studies of clients with conditions which disrupt occupational performance will be used to instruct students in the techniques and interventions that OTAs use to restore wellness. Prerequisites: BIO213, ENG101, OTS101, PSY101, Co-requisites: BIO214, OTS104, OTS122, PSY215.

OTS104 Interpersonal Skills for the Practicing Allied Health Professional **1 Credit**

The purpose of this course is to increase awareness and develop understanding of interpersonal and intra-personal skills as they relate to the Allied Health Professional. The focus is to enhance communication skills essential for positive and effective therapeutic and inter-professional relationships in the health care field. Information is considered fundamental for personal, professional and therapeutic engagement. Particular emphasis will be placed on self-awareness, therapeutic use of self, values clarification, verbal/non-verbal communication, written communication, conflict resolution and dispute resolution methods, professionalism, and performance evaluation. Prerequisites: BIO213, ENG101, OTS101, PSY101, Co-requisites: BIO214, OTS102, OTS103.

OTS105 Fieldwork Education I **2 Credits**

The 2018 ACOTE Standards describe the role of Level I fieldwork "to introduce students to fieldwork , apply knowledge to practice, and develop understanding of the needs of clients." Occupational Therapy Assistant (OTA) students will rotate through three 1-week fieldwork practice environments under the supervision of various professionals as specified under the ACOTE OTA Standards. Level I fieldwork provides the OTA student with

exposure to healthcare practice through directed observation and limited participation in selected aspects of the occupational therapy process. It is not intended to develop independent performance, rather to enrich academic learning. Each student is expected to develop and demonstrate skills in professionalism and communication. These skills include, but are not limited to: interviewing, effective gathering and organizing of information, examining personal reactions to individuals with disabilities, professionals, staff, practice environments, and observing the roles and functions of healthcare provision. The focus of the learning experience includes active observation, professional communication (written, verbal and non-verbal), and professional behaviors including: OT ethics, values, and individual and group participation with individuals receiving health care services. Students will begin to experience relationships with other healthcare practitioners and the individuals they serve.

OTS107 Assistive Technology in OT Practice **1 Credit**

In this course, students will continue to learn about assistive technology that can be used to enhance and adapt the environment to the needs of people with disabilities. Students will have the opportunity to view and have hands on experience with virtual environments, technological equipment, universal design, environmental modifications, and other devices and services that are used in occupational therapy practice. Physical agent modalities, safety technologies, and telehealth will be reviewed and discussed. Prerequisites: OTS101, OTS103, OTS104, OTS122, Co-requisites: COM104, OTS105, OTS109.

OTS109 Group Process **1 Credit**

This course presents the issues of group process, group dynamics, group development across the lifespan combined with the group techniques previously learned in OTS101/OTS104/OTS122. Group protocols will be formulated. Students will share case material encountered in Level I Fieldwork to demonstrate effectiveness in therapeutic group planning and group techniques. Communication skills and group process activities will be used to promote logical thinking, creativity, and problem solving, to further understand and develop therapeutic use of self, group techniques, leadership skills, and to practice peer collaboration. Prerequisites: OTS103, OTS104, OTS222, Co-requisites: COM104, OTS105, OTS107.

OTS122 Occupational Therapy for Children and Youth **4 Credits**

OTS122 provides students the opportunity to explore and understand Occupational Therapy practice relative to children and youth. Students will examine the stages of development and the impact that health, disease, injury and disability has on occupational performance and participation. Students will identify theoretical constructs from developmental and occupation based models to develop client centered intervention. Students will be exposed to various assessments tools, treatment techniques and outcome measures traditionally used in pediatric practice. Students will understand the role of occupation in the promotion of health and the prevention of disease and disability for the individual, family and society. Emphasis in each module will be placed on the life cycle issues and occupations, intervention techniques, service delivery systems and policies relevant to the particular youth and families. Quality of life is presented as an integral concept. OTS122 involves integrated lab experiences which provide students opportunities to learn, practice, and demonstrate clinical skills. An open mentor lab is included.

OTS201 Practice Environments Seminar **2 Credits**

This seminar course is designed to assist students in integrating all of their acquired knowledge and skills. Students will clarify the contexts of health care environments and systems as they relate to OT. Students will learn how OT service is implemented in varied environments. The course will emphasize arenas in which OTAs have typically worked, as well as emerging areas of practice and associated OTA roles. Students will have opportunities to further explore and develop Occupational Therapy ethics, citizenship and professionalism, quality assurance, marketing techniques, supervisory and role responsibilities of the OTA practitioner in health care. Personal and OT leadership will be examined. Students will gain an understanding of OT service delivery, and will investigate professional literature as it relates to evidence based practice, current social issues, competency and professional development. The impact of public policy, legislative action, advocacy, and fiscal regulatory boards are discussed as part of the OTA professional role. Dialogue regarding organizations, advocacy, professional participation, management, fieldwork issues and future OTA roles, including that of fieldwork educator, are part of this course. This course discusses the use of technology to support performance as well as EHR and electronic documentation systems. Students will develop resources and employ skills needed to support their current and future professional skills. Fieldwork II, licensure and certification will be examined.

OTS206 Fieldwork Education II, A **6 Credits**

The goal of Level II Fieldwork, as described by the 2018 ACOTE Standards, is to "develop competent, entry level, generalist occupational therapy assistants". Level II Fieldwork is integral to the curriculum design and includes in depth experience in delivering OT services to clients, focusing on the application of purposeful and meaningful occupation. ACOTE requires a minimum of 16 weeks' full-time Level II fieldwork. OTS 206 provides eight (8) weeks of this requirement. Students are exposed to client and setting diversity. In all settings, psychosocial factors will be understood and integrated in interventions and outcomes. The Level II fieldwork experience enables the student to apply the knowledge and skills learned in the classroom to practical situations. Level II (B) is designed to promote clinical reasoning suitable to the occupational therapy assistant role, to transmit the values and beliefs that enable ethical practice, and to develop professionalism and competence in career responsibilities. Professionalism and OT Citizenship will be demonstrated. Students will be assigned to a variety of settings. A senior seminar focus designed to assist student to process fieldwork experiences will be held upon completion of the fieldwork session. This seminar includes: supervision and professional issues, licensure and NBCOT topics, and a "mock" certification exam.

OTS208 Fieldwork Education II, B **6 Credits**

The goal of Level II Fieldwork, as described by the 2018 ACOTE Standards, is to "develop competent, entry level, generalist occupational therapy assistants." Level II Fieldwork is integral to the curriculum design and includes in depth experience in delivering OT services to clients, focusing on the application of purposeful and meaningful occupation. ACOTE requires a minimum of 16 weeks' full-time Level II fieldwork. OTS 208 provides eight (8) weeks of this requirement. Students are exposed to client and setting diversity. In all settings, psychosocial factors will be understood and integrated in interventions and outcomes. The Level II fieldwork experience enables the student to apply the knowledge and skills learned in the classroom to practical situations. Level II (B) is designed to promote clinical reasoning suitable to the occupational therapy assistant role, to transmit the values and beliefs that enable ethical practice, and to develop professionalism and competence in career responsibilities. Professionalism and OT Citizenship will be demonstrated. Students will be assigned to a variety of settings. A senior seminar focus designed to assist student to process fieldwork experiences will be held upon completion of the fieldwork session. This seminar includes: supervision and professional issues, licensure and NBCOT topics, and a "mock" certification exam.

OTS210 Occupational Therapy for Adults with Physical Disabilities **4 Credits**

OTS210 provides students the opportunity to explore and understand occupational therapy practice relative to physical disabilities. Students will examine the adult clinical conditions and the impact of health, disease, injury, and disability on occupational performance and participation. Emphasis will be placed on the life cycle issues and occupations, intervention techniques, service delivery systems and policies relevant to adults with physical disabilities. Quality of life is presented as an integral concept. OTS210 involves integrated lab experiences which provide students opportunities to learn, practice, and demonstrate clinical skills. Prerequisites: OTS101, OTS103, OTS104, OTS105, OTS107, OTS109, OTS122, PSY215, BIO213, BIO214, COM104, Co-requisites: OTS201, OTS216, OTS222, SOC101.

OTS216 Occupational Therapy with Special Populations **2 Credits**

This course is designed to teach the emerging occupational therapy assistant about effective interventions with special populations. These adult groups and populations include those identified by Healthy People 2020 who live with chronic disease and disabilities. In particular, Dementia and Alzheimer's (AD) disease, Parkinson's disease, Multiple Sclerosis (MS), the Intellectual and Developmental Disabilities (IDD) community, and the well elderly. The focus of this course will be on AD and IDD. Students will investigate the role of occupational therapy in promoting health and wellness, wellbeing, occupational performance and quality of life. Students will develop skills to facilitate quality of life, to work in a multidisciplinary environment and to create innovative interventions based on OT models and frames of reference. Students will learn about the etiologies of indicated diseases and how these diseases impact occupational functioning throughout the adult lifespan. They will identify their role in the OT process by exploring assessment tools typically used and intervention strategies and techniques that promote positive occupational outcomes including: telehealth, assistive technology, healthy communities of care including continuums of care and aging in place. Students will learn about programs which support these populations in wellness and engagement. Students will discuss policy, laws and typical medical interventions and learn about their interprofessional role within these structures. Attention will be given to understanding the importance of health literacy, safety, documentation of OT services and Healthy People 2020, etc.

Cultural relevance, as well as gender, race, and age appropriate intervention skills will be practiced with emphasis on use of therapeutic occupations, positioning, environmental adaptations, provision of therapeutic interactions related to occupational performance areas throughout the lifespan. Prerequisites: OTS122, OTS107, OTS109, PSY215, BIO214, COM104, Co-requisites: OTS201, OTS210, OTS209, SOC101, HUM elective.

OTS222 Psychological Aspects of Occupational Therapy Across the Lifespan **5 Credits**

OTS222 provides students the opportunity to explore Occupational Therapy theory and practice, and the role of the OTA relative to behavioral health care. Major mental health diagnoses and the way in which they interfere with occupational performance across the lifespan will be examined. Students will explore systems/contexts of health care service delivery, models of service, and roles for occupational therapy assistants consistent with the current delivery of behavioral health services. Students learn about the OT process and subsequently to create occupation-based interventions based on evaluation, activity analysis, critical thinking, and evidence. Participation, engagement and quality of life issues are examined. Students will become acquainted with the varied roles OT can assume in the mental health arena including: advocacy, employment, case management, etc. OTS 222 involves integrated lab experiences to support learning. Students will interact in the community through service learning projects relevant to OT psychosocial practice. Prerequisites: BIO213, BIO214, ENG101, OTS101, PSY101, OTS103, OTS104, OTS122, Co-requisites: COM104, OTS201, OTS216.

PHI101 Introduction to Philosophy (H) **3 Credits**

This course is designed to encourage the delightful art of wonder, while acquainting students with the meaning of "philosophy." In this exploration we will examine the thinking and contributions to human thought of Western philosophers from the earliest times to the present. This course is not a history of philosophy, but an introduction to, and an experience in, the adventure of wondering about the meaning of life! Our journey will permit us to examine such important human concepts as self, goodness, thinking, knowledge, freedom, change, growth, love, tomorrow, death, and ultimate concern. Co-requisite: ENG101.

PHI110 Introduction to Contemporary Ethics (H) **3 Credits**

This introductory course in the study of ethics will explore the historical contributions to this important area of civilized thought. It will nurture and affirm the student's appreciation of the need for a reliable perspective and guidelines for responsible living in the complexities of a society and world which looks forward to change and discovery in the next century. This course will provide a rational framework by which students can evaluate issues and make ethical choices. It is a goal of this course to facilitate critical thought and examination of cultured opinion as we seek to discover wholesome civility and meaning in a rapidly changing contemporary world. Issues which will be explored are the taking of human life, mercy killing, euthanasia, abortion, lying, cheating, breaking promises, marriage, human sexuality, pornography, bioethics, and issues in medicine and the professions, as well as ethics in business, sports and issues surrounding the environment.

PHY100 Physical Science I (SC) **4 Credits**

Physical Science focuses on essential physics and chemistry concepts. The laboratory portion of this course introduces basic experimental techniques and measurement skills while homework activities reinforce the ideas and topics introduced in lecture.

PHY111 Elements of Physics (SC) **4 Credits**

This course provides an introduction to the basic principles of physics. Students gain an understanding of mechanics, heat, and thermodynamics. Emphasis is placed on laboratory work, problem solving and applications to everyday life situations. Prerequisite: Minimum grade of "C" in MAT117 or MAT119.

PHY211 Elements of Physics II (SC) **4 Credits**

This course provides an introduction to the basic principles of physics. Students gain an understanding of electricity, magnetism, waves, optics, and modern physics. Emphasis is placed on laboratory work, problem solving and applications to everyday life situations. Prerequisite: Minimum grade of "C" in PHY111.

PHY213 Radiographic Physics **3 Credits**

This course introduces the fundamental principles of physics and electronics involved in the production, use, and control of the various electromagnetic energies used in medical and diagnostic applications. Topics include electromagnetic waves, electricity and magnetism, electrical energy, power and circuits as they relate to radiography. The course includes basic mathematical concepts for the solution of radiology related problems.

Upon completion, students should be able to demonstrate an understanding of basic principles of physics as they relate to the operation of radiographic equipment.

PLB101 Plumbing Fundamentals **6 Credits**

This course will introduce students to the fundamental principles of residential and commercial plumbing installations. Topics covered include trade safety practices, tools of the trade, plumbing materials, drainage and venting systems, storm drainage systems, and plumbing fixture installations. Students will work on lab exercises that will give them practical hands-on experience applicable to the plumbing construction field. The labs will cover the proper ways to assemble copper, PEX and PVC piping systems. Particular emphasis will be placed on drainage and venting rough-in installations for residential and commercial plumbing construction. Each student is required to have a basic set of plumbing tools. Prerequisite: two years of high school algebra or the equivalent.

PLB201 Advanced Plumbing Applications **6 Credits**

This course will build on the fundamentals of residential and commercial plumbing principles introduced in PLB101. This course will build and expand upon the topics of trade safety practices, tools of the trade, plumbing materials, drainage and venting systems, plumbing fixture installations, and water pump systems. Students will cover information for Green Plumbers. Hands-on labs will provide training in PVC drainage rough-in installations, water heater installations, potable water distribution systems, and plumbing fixture installations. Each student is required to have a basic set of plumbing tools. Prerequisite: PLB101.

PLB210 Plumbing Codes **3 Credits**

This course offers an in depth study of the 2015 Uniform Plumbing Code as adopted by the State of Maine. Additional laws and rules instituted by the State of Maine Plumbers' Examining Board will also be included. The course material covered in this course will prepare students to take the Maine Journeyman in Training Plumber License exam. Rules and laws governing HVAC and thermal solar heating installations pertaining to Uniform Plumbing Code will also be examined.

PMT101 Introduction to Precision Machining I **7 Credits**

Shop safety will be discussed and practiced throughout the course. This course is designed to introduce students to computer numerical control (CNC) machining, and advanced machine setups, tooling and use. Students will develop an understanding of programming concepts and codes as they relate to CNC lathes and mills. Terminology as it relates to the machine industry will be used throughout the course. Co-requisites: BPT126 or MAT114.

PMT110 Introduction to Mastercam **3 Credits**

This course provides training on the use of Mastercam X CAD / CAM software to design parts and tool paths for a modern CNC Vertical Machining Center, as well as CNC lathes. Students complete a series of exercises that progress from designing a two-dimensional part and creating a contour tool path with more advanced CNC Mill and Turning applications. Prerequisites: BPT126, PMT101.

PMT111 Fundamentals of Precision Machining Technology II **7 Credits**

Precision Machining Technology II is designed to introduce students to the more advanced machining practices and concepts utilized in industry. Topics that will be discussed include: Advanced Computer Numeric Control Programming and Geometric Dimensioning and Tolerances. Precision machining terminology and shop safety will be used throughout the course. Prerequisite: PMT101.

PMT 115 Intro to Solid Works **3 Credits**

This course introduces the design concepts of 3-D solid modeling using parametric CAD software. Students will create models with dimensional and geometric constraints, with parametric features. From the 3-D models, the student will create annotated 2-D engineering drawings. This is an online course with all content directly applied to a functioning 3-D model. Prerequisite: BPT126, PMT101, PMT110.

PMT125 Geometric Dimensioning & Tolerancing **3 Credits**

This course is an introduction to geometric dimensioning and tolerancing (GD&T) in accordance with ASME Y14.5 and as applied to engineering drawings. Prerequisite: BPT126.

PMT201 Fundamentals of Precision Machining Technology III **7 Credits**

Shop safety will be discussed and practiced throughout the course. This course is designed to introduce students to computer numerical control (CNC) machining, and advanced manual machine setups, tooling and use. Students will develop an understanding of programming concepts and codes as they relate to CNC lathes and mills. The history of CNC machines will be included in this course. Students will advance their knowledge and skills in the operational procedures for the following manual machines: mills, lathes, drilling, grinding equipment, measuring and layout tools. Terminology as it relates to the machine industry will be used throughout the course. Prerequisites: PMT101 and PMT111.

PMT211 Fundamentals of Precision Machining Technology IV **7 Credits**

Precision Machining Technology IV is designed to introduce students to the more advanced machining practices and concepts utilized in industry. Topics that will be discussed include: Advanced Computer Numeric Control Programming and Geometric Dimensioning and Tolerances. Precision machining terminology and shop safety will be used throughout the course. Prerequisites: PMT101 and PMT111

POL111 Current Issues in Political Science (SS) **3 Credits**

This is a survey and analysis of leading ideologies of the modern world, including Communism, Socialism, Fascism, Nationalism, and Democracy. Emphasis will be placed on the study of contemporary issues involving local, national and international affairs.

PSY101 Introduction to Psychology (SS) **3 Credits**

This course is an introduction and overview of the study of human behaviors. Lectures and discussion topics will include motivation, perception, historical roots, biological basis of behavior, scientific methods, human development, psychopathology, and theory.

PSY102 Psychology Seminar (SS) **0 Credits**

The Psychology Seminar is a non-credit course providing specific orientation to students entering the Associates of Science in Psychology degree program. Orientation to the curriculum, technology requirements, math and writing pathways, and to the available college resources will be emphasized. The course will also introduce students to the expectations regarding their portfolio and will provide initial assessments on both cognitive and non-cognitive skill sets. Finally, the course will also focus on the development of a plan of completion, transfer, and career development.

PSY200 History of Psychology (SS) **3 Credits**

This course focuses on the historical and philosophical roots of psychology and counseling. Topics include structuralism, functionalism, behaviorism, psychoanalysis, gestalt, and existentialism, as well as contemporary perspectives including evolutionary psychology, positive psychology, postmodernism, and feminist psychology. Prerequisite: PSY101 or permission of instructor.

PSY204 Abnormal Psychology (SS) **3 Credits**

This course examines behavior identified as different from societal norms. Lectures and discussion topics will include psychopathology, assessment, diagnoses, the impact of physical health, review of the research, and the impact on our society. Prerequisite: PSY101.

PSY206 Psychology of Film and Literature (SS) **3 Credits**

A hybrid of social science and humanities, this course seeks to give practical application to many of the concepts that are presented in PSY101, Introduction to Psychology. Students will examine how psychological concepts are represented in film and literature. Treatment of the mentally ill, ethical behavior, accurate portrayal of mental disorders, and other topics will be closely evaluated and discussed.

PSY208 Advanced Topics in Psychology (SS) **3 Credits**

These courses offer an in-depth exploration of specific issues and topics within the various subspecialties of psychology. These courses are intended for students who wish to pursue their studies in a field beyond the basic course offered in areas such as clinical, cognitive, developmental and social psychology. Problems of academic and social significance are chosen for study. Topics will be changed each semester. Prerequisite: PSY101 or permission of the instructor.

PSY209 Biopsychology (SS) **3 Credits**

Biopsychology is the study of the biological nature of psychological phenomena. The course explores the biological basis of basic nervous system structure and function, development and plasticity of the brain, sensory function, movement, consciousness, emotions, learning, cognition, and the varied mental disorders. Students will learn the association between neurological structure, chemistry, and function and related behaviors and psychological experiences. Students will also conduct basic psychophysiological experiments. Prerequisite: PSY101

PSY210 Human Sexuality (SS) **3 Credits**

This course will introduce the biological, psychological, social, historical and cultural influences that impact human sexual behavior. In addition, this course will address contemporary social issues such as pornography, prostitution, rape, contraception, abortion, childhood and adolescent sexuality, and sexual orientation. Students will also gain an in-depth understanding of the nature of romantic relationships, anatomy and physiology of the male and female genitals, sexual positions, sexually transmissible infections, pregnancy, and birth. Material that may be questionable to some students will be presented in a direct and open manner. Students in this course understand this and consent to participate in the course. Prerequisite: PSY101.

PSY212 Positive Psychology (SS) **3 Credits**

For over 100 years, psychology has been helping people with personal problems as they deal with disorder, disease, and distress. Great progress has been accomplished in assisting and alleviating personal discomfort and dysfunction. In recent years, however, we have become aware that the "disease model" is not adequate in enabling individuals to perform at their potential. "Positive Psychology" is also about what is positive, meaningful, and productive in a person's life. Positive Psychology identifies those characteristics that make life worth living, fulfilling and meaningful. This course enables the student to study and strengthen the positive personal traits and dispositions – like kindness, resiliency, curiosity, values, interests, talents, optimism and hopes, while exploring those social institutions which enable our lives to the fullest such as friendship, marriage, family, education, etc. The premise of this course is that human goodness and excellence are as important as human flaws and inadequacies. Psychology is as much about human potential as it is human pain. Prerequisite: PSY101 or permission of instructor.

PSY213 Social Psychology (SS) **3 Credits**

This course focuses on the basic concepts and applications of social psychology, and includes such topics as attitudes, beliefs, and behavior; stereotyping, prejudice, and discrimination; interpersonal relationships; group behavior; and the effect of environmental stressors on behavior. Prerequisite: PSY101 or permission of instructor.

PSY215 Developmental Psychology (SS) **3 Credits**

This course is a survey of the biological, cognitive and socio-emotional aspects of human growth and development across the lifespan. Lifespan topics include an introduction to the lifespan perspective; biological changes; family, peer and social relations; cognition; and personality development. Prerequisite: PSY101 or permission of instructor.

PSY218 Sensation and Perception (SS) **3 Credits**

Sensation is the registration of physical stimuli on sensory receptors. Perception is the process of creating conscious experiences from sensory input. The study of Sensation and Perception examines the interaction between sense organs and nerves in our bodies and our brains. The course will review all the human senses and relate these to aspects of human perception such as expectations, personal history, and cultural norms. Students will engage in sensory simulations and reflect upon the applications of this knowledge to the world around them and the human experience.

PSY220 Behavior Management (SS) **3 Credits**

Students learn to apply behavior management techniques in their own lives and in the educational setting. Control of the antecedents and consequences of behaviors is emphasized. Study of theory and research provides a framework for practical application. Prerequisite: PSY101 or permission of instructor.

PSY221 Introduction to Disability Studies **3 Credits**

Disability, as a construct, has been defined from multiple perspectives. How people with disability have been viewed and served throughout Maine and the United States has shifted and changed from living in institutions to

living in the community. Through a multiple of perspectives such as individual, family, medical, ethical and social service providers, students will examine history of institutional and community living, civil rights, evolution of the professions that support people, and an overview of the federal and state laws, rules, and policies that support people with disabilities in Maine. Prerequisite: PSY215.

PSY222 Supporting Adults with Developmental Disabilities **3 Credits**

Supporting adults with Developmental Disabilities (DD) involves working with the adult to make decisions. But what is decision making and how do you support somebody else in making decisions without doing it for them? This is a complex concept that brings up multiple issues about how to treat people and how to define value. This course will provide students with the skills to support adults with Developmental Disabilities to achieve their greatest independence possible through supportive decision models of support and value based community principles. Students will learn about the various settings that individuals with DD may need support such as housing models, employment, and accessing healthcare. Students will then explore a variety of evidence-based strategies to assist and advance the individual with DD in decision making, increase communication, accommodate sensory issues, and achieve broader social skills. This course will also provide an introduction of the intersection between disability and ethics by examining issues designed to heighten students' sensitivity to ethical issues that may be presented to them in the field and aid them in developing a personal approach. In addition, an overview of how to engage with other team members to support individuals in goal setting and supportive decision-making activities will be discussed. Prerequisites: PSY215, PSY221.

PSY223 Supporting Children and Youth with Developmental Disabilities **3 Credits**

This course will provide students with knowledge of current evidence-based teaching strategies for students with Developmental Disabilities (DD). Participants will receive an overview in many of the identification, evidence-based intervention strategies being used today to support children with Developmental Disabilities (Autism Spectrum Disorders, Intellectual Disabilities, and other DD) in today's classroom and community including ways to include appropriate assistive technology. Participants will also explore methods to track and understand data to evaluate whether or not the intervention is working, practice developing strategies through treatment plan development, explore how to work with families in an ethical and culturally competent way. Prerequisites: PSY215, PSY222.

PSY224 Statistics for Psychology **3 Credits**

This course will focus on advanced applications of statistics to contemporary problems of modern Psychology. This course will teach many of the concepts needed to understand, conduct, and interpret common statistical procedures and techniques. This course will establish students' proficiency in understanding the use of statistical procedures in core content areas of Psychology, develop skills in the analysis of behavior via scientific inquiry, and present the results of studies using appropriate statistical language. Prerequisites: PSY101 and MAT111.

PSY230 Personality (SS) **3 Credits**

This course examines the chief approaches to the study of personality including the history of personality theory, major personality theories, and critical contemporary issues in personality. Assessment techniques and research methods is also covered. Prerequisite: PSY101 or permission of instructor.

PSY234 Research Methods with Lab **4 Credits**

This course provides an introduction to psychological research techniques and methodology. Topics to be covered include the experimental and non-experimental approaches such as ex-post facto research, correlation research, survey research, and qualitative research. Ways for assessing threats to the internal and external validity of studies will be examined. These issues will be illustrated through reference to the examples of research on various topics in psychology. In addition, students will participate actively in the design and analysis of three research projects. Students will also learn to write research reports in the style used by research psychologists.

PSY240 Health Psychology (SS) **3 Credits**

Presents a biopsychosocial approach to the study of lifestyles, behaviors, response styles and personality factors that may impact an individual's health. Research comes from the areas of psychology, neuroscience, public health and medicine. Topics include the relationship of psychological and social factors on physical conditions and recent research in these areas. Prerequisite: PSY101 or permission of instructor.

PSY245 Forensic Psychology (SS) **3 Credits**

The discipline of forensic psychology has become extremely popular for students over the past two decades, in part because of numerous TV programs addressing the topic such as: Law & Order, CSI, Criminal Minds, to name a few. This course will address the application of psychological research, methods, and expertise to issues that come before the legal system. Some topics include, insanity, competency, the psychology of jury-selection, expert-testimony, profiling, decision making, the treatment of psychopaths within the legal system, dangerousness, and interrogations. Prerequisite: PSY101 or permission of instructor.

PTS105 Self-Paced Medical Terminology for PTAs **1 Credit**

This is a self-paced hybrid course in a synchronous and asynchronous format (didactic portion as distance education, pronunciation is virtual with ZOOM/TEAMS one on one student/instructor meetings) that will assist the physical therapist assistant student in developing an understanding and pronunciation of medical terminology.

PTS107 Introduction to Kinesiology for the PTA **2 Credits**

This laboratory course is an introduction to the concepts of kinesiology essential for the PTA. Musculoskeletal anatomy and the basic principles of biomechanics will be presented. Co-requisites: BIO213, PTS111.

PTS111 Physical Therapy I **6 Credits**

This course is the first of a three-part sequence and introduces students to the foundations of physical therapy practice. The basic principles of data collection and physical therapy interventions relative to patient care skills are presented. Laboratory experiences are integrated throughout the course to allow students to practice selected physical therapy skills and demonstrate competency. Students must be enrolled in the PTA program at KVCC to take this course.

PTS112 Physical Therapy II **6 Credits**

This course is the second of a three-part sequence and provides an opportunity for students to apply the principles of data collection and physical therapy interventions to musculoskeletal and cardiovascular/pulmonary impairments. Laboratory experiences are integrated throughout the course to allow students to practice physical therapy skills and demonstrate competency. Prerequisites: BIO213, PTS105, PTS107, PTS111; Co-requisites: BIO214, PTS116, PTS117.

PTS116 Pathology **3 Credits**

This course examines human diseases commonly encountered in physical therapy across the life span. The pathogenesis, clinical manifestations, and medical interventions for diseases are presented. Prerequisites: BIO213, PTS105, PTS107, PTS111; Co-requisites: BIO214, PTS112, PTS117.

PTS117 Kinesiology for the PTA **3 Credits**

This course presents the basic principles of biomechanics and anatomy in relation to human movement essential for the PTA. Laboratory experiences are integrated throughout the course to provide functional application of movement principles. Students have the opportunity to practice and demonstrate competence in the data collection skills of goniometry and manual muscle testing. Prerequisites: BIO213, PTS105, PTS107, PTS111; Co-requisites: BIO214, PTS112, PTS116.

PTS120 PTA Clinical Education I **5 Credits**

During this first clinical education course, students practice basic data collection and physical therapy intervention skills at an affiliated clinical education center. The opportunity to integrate "Beginning Level" professional behaviors and work on "Developing Level" professional behaviors in physical therapy practice is provided under direct supervision from the clinical instructor(s). The student will work towards requiring a moderate degree of guidance from the clinical instructor during data collection and intervention activities on non-complex patients. Prerequisites: PTS111, PTS112, BIO214, PTS105, PTS107, PTS116, PTS117, Current CPR certification, background check and all required immunizations and titers.

PTS211 Physical Therapy III **6 Credits**

This course is the third of a three-part sequence and provides an opportunity for students to apply the principles of data collection and physical therapy interventions to neuromuscular and integumentary impairments. Laboratory experiences are integrated throughout the course to allow students to practice selected physical

therapy skills and demonstrate competency. Prerequisites: BIO214, PTS105, PTS107, PTS112, PTS120; Co-requisite: PTS215.

PTS215 Neuroscience **3 Credits**

This course provides students with the opportunity to understand the structure and function of the nervous system over the life span. The pathogenesis, clinical manifestations, and medical interventions for diseases of the nervous system are presented. Prerequisites: BIO213, BIO214, PTS112, PTS116; Co-requisite: PTS211.

PTS216 Clinical Application **1 Credit**

This course prepares the student for the terminal clinical education experience by further developing clinical reasoning and clinical decision-making through case studies. Current trends in physical therapy will be presented. The process of preparing for licensure and employment after graduation will be explored. A mock licensure exam will be administered. Prerequisites: PTS120, PTS211, PTS215, PSY215, and required math.

PTS218 PTA Clinical Education II **8 Credits**

During this terminal clinical education course, students practice intermediate and advanced data collection and complex physical therapy intervention skills in an affiliated clinical education center. The opportunity to continue to develop and integrate "Entry-Level" professional behaviors and work on "Entry-Level" professional behaviors in physical therapy practice is provided under direct supervision from the clinical instructor(s). The student will work towards requiring a minimal degree of guidance/validation from the clinical instructor during patient data collection and intervention activities. This ten-week clinical education course totals 360 hours and starts during the second semester of the second year. The student must obtain a total of 520-620 cumulative clinical hours between clinical I and clinical II and obtain passing scores in both clinicals to graduate. Prerequisites: PTS120, PTS211, PTS215, ENG101, PSY101, COM104, PSY215, MAT111, and a humanities course, Co-requisites: Current CPR certification and all required immunizations, titers, and background check.

RAD101 Radiographic Positioning I **3 Credits**

This course is a study of the radiographic procedures as they relate to the skeletal system. Topics include positioning, exposure factors, image analysis and related anatomy of chest, abdomen, upper and lower extremities, and shoulder and pelvic girdle. There are positioning practical workshop components for applying proper positioning of radiographic exams. Co-requisites: RAD111, RAD121.

RAD102 Radiographic Positioning II **3 Credits**

This course is a study of the radiographic procedures as they relate to the skeletal system. Topics include bony thorax, sternum, sternoclavicular joints, vertebral column, radiographic special procedures including fluoroscopy and the use of contrast media. It includes discussion of correct positioning, exposure factors, and image analysis; medical indications and contraindications for special procedures pertaining to the anatomical region of interest. There will be positioning practical workshop components for applying proper positioning of radiographic exams.

RAD103 Radiographic Positioning III **2 Credits**

This course is a study of radiographic procedures related to cranial structures, facial and nasal bones. It includes discussion of correct exposure factors, positioning skills, film evaluation and related anatomy and terminology of the cranial structures. Positioning practical workshops will be included. Prerequisites: RAD102, RAD112.

RAD111 Clinical Practicum I **3 Credits**

This course introduces Radiologic Technology as a science and discusses principles, practices, and policies of health care organizations within the clinical setting. During the clinical rotation, students will assist and perform basic radiographic procedures. Co-requisites: RAD101, RAD121.

RAD112 Clinical Practicum II **4 Credits**

This course is a competency-based clinical experience that develops the cognitive, affective, and psychomotor skill level of students in the performance of radiographic procedures. Emphasis will be placed on the skeletal system and radiographic procedures requiring administration of contrast mediums for the visualization of all the body systems. Prerequisites: RAD101, RAD111.

RAD113 Clinical Practicum III **4 Credits**

This course is a competency-based clinical experience that intensifies the cognitive, affective and psychomotor skill level of students in the realization of special radiographic procedures and assisting the radiologist in interventional procedures. This clinical experience provides learning opportunities in mobile, trauma, skull work, and surgical radiographic procedures. Mastery of knowledge from previous clinical practicum with a focus on outcomes assessment will occur. Prerequisites: RAD102, RAD112.

RAD121 Patient Care **3 Credits**

This course introduces the radiologic technology student to their responsibilities when working with patients. This course will discuss patient education, safety and comfort. An emphasis will be made on how to react to medical emergencies within the department and the legal responsibilities of the radiologic professional. The course will address infection control, handling of hazardous materials, isolation precautions, and patient monitoring. The student will learn about human diversity, ethnic and cultural values and how these need to be integrated into the profession. Medical terminology will be integrated throughout the semester. Co-requisites: RAD101, RAD111.

RAD131 Radiographic Exposure I **3 Credits**

Radiographic Exposure begins with the basic elements of x-ray production and its use in obtaining quality diagnostic images of human anatomy. The course will investigate the prime exposure factors, what these factors control and how they interrelate. Elements of screen film versus digital imaging will be presented. The students will learn the components of image analysis and critique. Course topics include milliamperage, time, kilovoltage, distance, density, contrast, primary and secondary radiation. Image processing intensifying screens and grids will be presented. Prequisites: MAT111, RAD101.

RAD211 Clinical Practicum IV **5 Credits**

A competency-based clinical experience that intensifies the cognitive, affective and psychomotor skill level of students in the realization of special radiographic procedures and assisting the radiologist in interventional procedures. This clinical experience provides learning opportunities in radiographic critique and quality assurance. The student will acquire proficiency in the realization of radiographic and special procedures, preparation of contrast media and patient under indirect supervision. Mastery of knowledge from previous clinical practicum with a focus on outcomes assessment. Prerequisite: RAD113.

RAD212 Clinical Practicum V **6 Credits**

During this clinical practicum the Radiologic Technologist student will acquire proficiency in radiographic and special procedures. Students will explore different imaging modalities. Students will demonstrate the highest level of cognitive, affective, and psychomotor skills to complete graduate competencies, outcomes assessment, and program requirements.

RAD214 Ethics and Quality Assurance **1 Credit**

This course will offer students basic knowledge on the importance and implementation of a quality assurance program in a radiological facility. Emphasis will be given to the quality control tests performed in an Imaging Department such as equipment checks and image analysis. Discussion of current aspects of ethics, responsibilities, obligations and rights of the health professional in regards to patients and colleagues will also be explored. Students will examine a variety of ethical and legal issues found in clinical practice. Prerequisite: RAD131; Co-requisite: RAD220.

RAD216 Introduction to Imaging Modalities **2 Credits**

This course introduces students to the modalities of medical imaging. Course includes basic concepts and principles of computed tomography (CT), magnetic resonance imaging (MRI), mammography (M), sonography (US), nuclear medicine (NM) and bone density (BD).

RAD218 Radiation Biology & Protection **2 Credits**

This course describes the effects of radiation on the human body. The student will learn the biological composition of the body and its radio-sensitivity aspects. Methods of minimizing radiation exposure and methods of protection from exposure will be discussed. Laws governing occupational exposure and public exposure will be explained. Radiation units of measure and dose response relationship will be presented. Prerequisites PHY213, RAD131 and RAD220

RAD220 Radiographic Exposure II **2 Credits**

This course is a continuation of Principles of Radiographic Exposure and Processing I. It will begin with a review of RAD131. Continuing the exploration of the factors and the equipment that is involved in radiography and their effects on image quality. It will present the fundamentals of the radiographic image (screen-film radiography) and the digital radiographic image (computer and digital radiography). Various exposure factors and choices of equipment will be explored. Artifacts will be identified and solutions to avoid them will be explained. Quality control will be also discussed for screen-film and digital radiography. Prerequisite: RAD131; Co-requisite: PHY213.

RAD222 Senior Seminar for Radiologic Technology **1 Credit**

This capstone course will provide students with the opportunity to investigate pertinent professional issues. Topics will include: medical ethics; licensure and credentialing; and the purpose of professional organizations locally, state-wide and nationally. Students prepare for the licensure examination and employment as a radiographer. Prerequisite: RAD220

RTS111 Introduction to Respiratory Care **5 Credits**

This course will provide students with a foundation for respiratory care practice. Students will be introduced to the basic philosophies and therapeutic modalities of respiratory care. Included in this course are units that provide an overview of microbiology and self-paced medical terminology. Other topics include the medical record and documentation, therapeutic communication, cardiopulmonary assessment, disaster preparedness and response, applied respiratory physics, infection control, production and storage of medical gases, medical gas administration, humidity therapy and aerosol therapy including aerosolized medications. Laboratory exercises are designed to allow students to become familiar with representative equipment discussed in lecture. In addition students will become competent in the basic therapies and begin to apply entry level critical thinking skills. Simulations of clinical scenarios will be presented so the student may begin to apply knowledge and skills, and learn to work as a member of a collaborative healthcare team. Prerequisite: Students must be enrolled in the Respiratory Therapy Program at Kennebec Valley Community College.

RTS112 Therapeutic Modalities in Respiratory Care **5 Credits**

The following topics are covered in this course: resuscitation devices, lung expansion and bronchial hygiene modalities, airway management, cardiopulmonary rehabilitation, health promotion and disease prevention, and respiratory care in alternate sites. Investigation of these topics will include appropriate utilization of the modalities, determination of abnormal conditions that would necessitate modification of therapy, equipment use, assessment of need, and outcome of therapy. The use of clinical practice guidelines will be incorporated throughout the course. Students will begin to develop clinical decision making skills necessary to deliver safe patient care. Laboratory exercises are designed to allow students to become familiar with representative equipment discussed in lecture. In addition, students will become competent in the modalities discussed in this course. Prerequisites: RTS111

RTS117 Cardiopulmonary Anatomy & Physiology **3 Credits**

This course is designed to present a comprehensive overview of the anatomy and physiology of the cardiopulmonary system. The material presented in this course will serve as the foundation that will allow the student to develop an in-depth understanding of the relationship between the respiratory, cardiovascular, and renal systems and the effects of aging on those systems.

RTS120 Clinical Practicum I **3 Credits**

During this first clinical practicum the respiratory therapy student will be introduced to the delivery of patient care in the healthcare continuum. The student will be applying concepts previously taught in the first and second semester didactic and lab courses. These activities will be performed under the direct supervision of KVCC faculty and clinical preceptors.

Subsequent to the successful completion of the competency evaluations required in this course, the student will be able to provide care to patients receiving these types of therapies. Students will provide this care under the indirect supervision of KVCC faculty and clinical preceptors. Prerequisite: RTS112, RTS117, RTS121, Co-requisite: RTS127.

RTS121 Cardiopulmonary Diagnostics **3 Credits**

This course is designed to provide the student with a sound foundation in cardiopulmonary diagnostic procedures. The topics to be covered will include: tests for oxygenation, ventilation, acid-base balance, pulmonary function testing, cardiopulmonary stress testing, imaging techniques, metabolic and nutritional assessment, electrocardiography, polysomnography, echocardiography, and additional invasive diagnostic procedures. Interpretation of test results and use of the information obtained to formulate patient care plans will be stressed. Prerequisite: CHE113, RTS111, RTS117, Co-requisite: RTS112.

RTS127 Respiratory Pharmacology **2 Credits**

This course is designed to provide the respiratory therapy student with a background in pharmacology as it relates to their role as a respiratory therapist. Covered in this course are the following topics: general pharmacologic principles, calculation of medication dosages, and autonomic nervous system response to various cardiopulmonary medications. Specific categories of respiratory drugs will be discussed. CNS depressants, skeletal muscle relaxants will be described as they relate to the care of the respiratory patient. Drugs used to aid in smoking cessation will be discussed. ACLS drugs will be identified. Pediatric and geriatric age specific concerns will be addressed. Simulations of clinical scenarios will be presented so the student may apply knowledge and skills, and learn to work as a member of a collaborative healthcare team. Prerequisite: BIO214, RTS112, RTS117, RTS121.

RTS223 Mechanical Ventilation **3 Credits**

This course will provide the student with the principles of mechanical ventilators and management of the mechanically ventilated patient. The discussion will focus on establishing the need for, and the initiation and modification of, mechanical ventilation based on patient situation/disease, protocols and evidence-based medicine. In addition, the student will develop protocols using current evidence-based research. Mechanical ventilators will be classified according to their capabilities and specifications. Specific ventilators and ventilatory techniques, both invasive and non-invasive, will be presented. Simulations of clinical scenarios will be presented so the student may apply knowledge and skills, and learn to work as a member of a collaborative healthcare team. Prerequisite: RTS120, RTS127, Co-requisite: RTS226, RTS229.

RTS224 Concepts in Critical Care **3 Credits**

This course will provide the student with an understanding of the principles of electrocardiography and other aspects of cardiopulmonary collapse. Management of the critically ill patient will include hemodynamic monitoring, ventilator management and the use of protocols, infection control, and cardiopulmonary collapse in the critical care setting. Patient assessment will be reviewed with an emphasis on the special needs of the critically ill patient. The special needs of transporting a critically ill patient will be identified. ACLS protocols will be discussed and demonstrated. Prerequisite: RTS223, RTS226 and RTS229, Co-requisite: RTS230.

RTS225 Perinatal and Pediatric Respiratory Care **3 Credits**

This course will provide the student with a brief overview of fetal, neonatal and pediatric growth and development. Assessment of the patient at each developmental stage will be used to determine the condition of the patient and appropriate intervention. The role of the respiratory therapist in the stabilization and resuscitation of the newborn will be explained. Pediatric resuscitation, appropriate respiratory care modalities with this patient population will be discussed. Various diseases and disorders germane to this patient population will be described. Mechanical ventilation and special procedures for this patient group will be investigated. Adapting care to diverse patient needs will be integrated throughout. Simulations of clinical scenarios will be presented so the student may apply knowledge and skills, and learn to work as a member of a collaborative healthcare team. Prerequisite: RTS112, RTS117, RTS121, RTS127, Co-requisite: RTS223, RTS229.

RTS226 Cardiopulmonary Pathophysiology **3 Credits**

This course will provide a foundation in the principles of cardiopulmonary pathophysiology by means of a problem-based case study format. The case studies will integrate evidence-based medicine, protocols, and clinical practice guidelines. Emphasis is placed on the etiology, pathophysiology, clinical manifestations, and treatment of the disorders which are discussed. Simulations of clinical scenarios will be presented so that the student may apply knowledge and skills, and learn to work as a member of a collaborative team. Prerequisite: BIO214, RTS121, RTS127, Co-requisite: RTS223, RTS225.

RTS229 Clinical Practicum II **5 Credits**

During this second clinical practicum the respiratory therapy student will apply to practice, knowledge and understanding in the delivery of respiratory care to patients. Student experiences are structured to provide exposure to diverse patient populations and students are encouraged to begin to look at patient care with a holistic approach. The clinical activities are scheduled at various health care facilities. The student is required to successfully complete competency evaluations for additional procedures in the critical care and diagnostic areas. Prerequisite: RTS120, RTS127, Co-requisite: RTS223, RTS225, RTS226.

RTS230 Clinical Practicum III **5 Credits**

During this final clinical practicum students will continue to be involved in all aspects of respiratory care. In addition, students will complete specialty rotations in the cardiology department and sleep lab. Students will be refining their patient care skills and defining their role as future respiratory therapists and members of the collaborative health care team. All clinical requirements for the program will be met by the end of this course. Prerequisite: RTS229, Co-requisite: RTS224, RTS231.

RTS231 Respiratory Care Senior Seminar **1 Credits**

This capstone course will provide students with the opportunity to investigate pertinent professional issues. Topics will include: reimbursement in the health care setting; medical ethics; licensure and credentialing; and the purpose of professional organizations. Principles of case management will be discussed as well as the emerging role of the Respiratory Therapist in acute and chronic disease management. Prerequisite: RTS229, Co-requisite: RTS230.

SAF101 OSHA 30 Standards **1 Credit**

This Occupational Safety and Health Administration thirty-hour course is designed to provide students with an understanding of the safety regulations that cover the construction industry and will provide students with a 30 hour OSHA card. This federally recognized credential will indicate that a student has an understanding of the Occupational Safety and Health Act of 1970, employer/employee responsibilities, workplace hazards, OSHA regulations and risk mitigation techniques. Allocated amounts of time are spent on specific safety topics. These topics are explained as they relate to the welding industry.

SDB101 Tool Use, Maintenance, and Safety with OSHA 10 **3 Credits**

Students will be introduced to the requirements, standards, and safe work practices of any shop or construction site. Complicated safety topics are translated into simple and straightforward terms, demonstrated by the instructor, and practiced by the students. Students will learn the proper use and basic maintenance of power and common hand tools through the completion of a small project. The proper use of personal protective equipment, ladders, scaffolding, and fall arrest systems are covered through practical simulations. Completion of OSHA 10 and Basic 1st Aid/CPR/AED Certification training are required as part of this course. Co-requisites: MAT114, SDB102 or SDB103.

SDB102 Timber Frame Craftsmanship I **3 Credits**

Students will work as a group to build a timber frame structure. Students will apply traditional and modern methods to create mortise and tenon joinery using hand and power tools. Instruction will cover the basics of timber frame layout, fabrication, and timber frame design concerns. Co-requisites: SDB101 and MAT114.

SDB103 Stick Framing and Building Concepts I **3 Credits**

This course provides students in-depth practice with the fundamentals of light construction, including layout and framing of residential structures. Students will be exposed to efficient, advanced framing techniques as they hone basic skills and gain solid competency in the straight, level, plumb, and square layout of floor and wall systems. Industry-standard methods and skills assessments will be used and safety practiced at all times. Co-requisites: SDB101 and MAT114.

SDB104 Timber Frame Craftsmanship II **3 Credits**

This course is a continuation of the lessons from SBD102 Timber Frame Craftsmanship I and a companion course to SDB107 Stick Framing and Building Concepts II. Historic American joinery and more in-depth design methods will be introduced. Timber frame roof components and the accompanying joinery will be tackled. Students will encounter more traditional and modern timber frame methods including the operation of unique power tools

used in fast paced timber frame production environments. The capstone of SDB102 and SDB104 will be raising a completed timber frame structure. Crane rigging and signaling certification training is a required part of this course and will be scheduled by the instructor. Prerequisite: SDB102.

SDB105 3D Modeling for Construction **3 Credits**

This is a construction modeling course (three-dimensional or 3D). Students will learn the most commonly used features of Sketch Up, a common modeling software program used by timber framers, general contractors, architectural designers, and hobbyists alike. Drawing commands and setup will be reviewed before students create 3D models. Students will demonstrate their learned skills by designing a small residential structure. Prerequisite: SDB108.

SDB107 Stick Framing and Building Concepts II **3 Credits**

This course is a continuation of SBD103 Stick Framing and Building Concepts I and a companion course to SDB104 Timber Frame Craftsmanship II. Students will prepare modular walls constructed in SDB103 and learn how to raise and brace wall sections. The class will begin to resemble a professional crew as they prepare the hybrid structure through the integration of timber and stick wall and floor components. Instruction will move on to roof assemblies and cutting rafters for the timber trusses, sheathing the exterior, construction of stairs and internal framing components. In addition to completion of the final structure, this course will focus on developing professional work habits and core communication skills. Students will work with the instructor to develop an ownership manual for completing and finishing the structure. Prerequisite: SDB103.

SDB108 CAD Drafting and Blueprint Reading **3 Credits**

CAD Drafting and Blueprint Reading is a foundational course to teach the most commonly used features of CAD systems and present skills associated with the principles of reading and interpreting architectural drawings. Students will be introduced to two-dimensional (2D) drafting commands, dimensioning, drawing setup, and plotting. This course also presents the student with skills associated with the principles of reading and interpreting architectural prints. Topics covered include creation and reproduction/control of prints, orthographic and pictorial representations, use of scale, line identification, U.S. and S.I. (metric) dimensioning, tolerances, notes and specifications, sectional views, auxiliary views, measuring instruments, and trade symbols/diagrams. Co-requisites: MAT114, SDB102 or SDB103.

SDB202 Residential Building Code **3 Credits**

This course covers all the required subjects and chapters within the International Residential Building Code (IRC) required to obtain state of Maine certification as a residential building inspector. Students will learn how to navigate the IRC, interpret load tables, and find multiple solutions for common residential construction problems. Students will take the State of Maine "Residential Code" exam as well as the State of Maine "Legal issues" exam. Prerequisite: SDB 103, SDB 107 and MAT 114

SDB204 Building Systems I **5 Credits**

This course will concentrate on the types of electrical systems, plumbing systems, and HVAC systems found in buildings. Discussion on how these systems are installed in a timber frame structure will be included. A detailed introduction to the common types of building foundations will be covered. Because of the need for construction professionals to be able to fabricate items as part of the installation of various mechanical systems, an introduction to welding is also included. The course will be delivered as a series of five one-credit modules. The modules are: Module 1 – Electrical Systems, Module 2 – Plumbing Systems, Module 3 – Heating, Ventilation, & Air Conditioning Systems, Module 4 – Foundations, and Module 5 – Welding. Prerequisites: SDB102, SDB103; Co-requisites: SDB205.

SDB205 Building Systems II **5 Credits**

This course concentrates on renewable energy systems and concepts in building science. The semester will begin with an overview of energy efficiency building goals and the latest materials, methods, and technologies used to achieve those ends. An overview of basic passive building design principles and methods, along with weatherization techniques, will be taught through hands-on activities like super-insulating a wall, air sealing a structure, or accompanying a professional on an energy audit. Students will then be introduced to renewable electricity systems like solar photovoltaics and wind power as well as energy efficient domestic heating and hot water systems like solar, geothermal, and hybrid heat pump systems. This course will combine classroom learning,

experiential learning, and hands-on skills development. Throughout the course a review of current energy policies and incentives will be presented. Prerequisites: SDB102, SDB103; Co-requisite: SDB204.

SDB207 Finish Carpentry **2 Credits**

This course will help the students evolve even further from rough carpenters and competent timber framers to finish carpenters. Students will learn to measure, mark, and cut more accurately while learning the basic concepts and methods of interior trim work. Upon completion, students should be able to identify, describe, and apply standard interior moldings, and install window and door trim.

SDB209 Construction Supervisor and Business Basics **3 Credits**

This course will fast-track the student to project manager in a building construction or shop environment while introducing the core concepts of entrepreneurship and small business management. Students will gain the foundational knowledge of a job-ready superintendent, from project management and working with trade contractors to planning, scheduling, and customer relations. The first part of the course is divided into eight, four-hour modules that will earn students the Residential Construction Superintendent Designation from the Home Builders Institute, an affiliate of the National Association of Home Builders (NAHB). The remainder of the course introduces the ways in which an entrepreneur might approach small business development including organization, financial planning, marketing, human resources, accounting and financial controls, insurance, and legal issues.

SDB210 Green Building Codes, Standards, and Certification Programs **1 Credit**

Integrating the coursework from the four semesters of the Sustainable Construction Program, this course expands on conventional construction practices by introducing innovative and energy efficient solutions used in today's construction industry. Students will be introduced to sustainable construction philosophy, practices and codes, and utilize models and programs that illustrate these principles including; Energy Star Homes, LEED, Passive House, and more. Classroom discussions will focus on the benefits and difficulties of green building standards, the differences between prescriptive and performance-based models, and the cultural and political support behind each. Through coursework, students will develop a practical understanding of the core concepts in the both the residential code and green building programs while understanding how to apply them within New England's Climate zone. Students will have an opportunity to receive an internationally recognized construction certification, "LEED Green Associate."

SDB211 Restoration Carpentry **2 Credits**

This course will introduce students to the profession of restoration carpentry, a specialized and sought-after skillset with philosophical approaches; ethical protocols; and, in some instances, legal standards. The course will be divided into three learning units:

1. Philosophical, Ethical, and Legal Considerations for the Restoration Carpenter
2. Basic Repair Skills
3. Maintenance Planning and Skills

The hands-on portion of this course will help the student develop basic repair and maintenance skills. Classroom lessons will address the context of their work by introducing cyclical maintenance plans, historic structures reports, planning and budgeting, and the differences in regulation of Federal, state, and local historic districts and sites. Restoration carpentry will run back to back with SDB207 Finish Carpentry. Prerequisite: SDB104.

SOC101 Introduction to Sociology (SS) **3 Credits**

A general scientific study of people and the dynamics of society, with emphasis upon the nature of culture, social institutions, social interaction, social units, and their influence on the individual. An overview of sociological concepts and perspectives is also presented.

SOC108 Leadership Development (SS) **3 Credits**

This course is intended to provide emerging and existing leaders opportunities to explore the concept of leadership and to develop and improve their leadership skills. The course will explore concepts such as the definition of leadership, leadership styles, leadership development, and the application of leadership qualities within a number of real-world settings and across various roles.

SOC112 Civic Engagement Seminar (SS) **3 Credits**

This course is designed to introduce students to the Civic Engagement and Service-Learning. The core elements of the course are (1) service activities that address identified social needs, and (2) structured educational components that challenge students to think critically about and reflect on their service-learning experiences as they apply to their other courses, their college career, and to their role as citizen. Through participation in this course, students will develop an awareness of different learning styles, practice effective interpersonal communication skills, and gain empathy for individuals with diverse background.

SOC203 Death & Dying (SS) **3 Credits**

An introduction to the study of death and dying. Includes discussion about how attitudes around death and dying have developed and changed within our society and culture. Significant discussion and exploration of suicide, assisted suicide, and euthanasia; also hospice care for the terminally ill. Various death rituals will be discussed. Prerequisite: PSY101 or SOC101.

SOC204 Social Problems (SS) **3 Credits**

This course provides an introduction to sociology and social science through the study of prominent social problems. We will examine a diverse sample of social problems, including social stratification/inequality, crime, drug abuse, prostitution, infectious disease, family violence, racial/ethnic conflict, and war. We will explore factors underlying social problems as well as attempts to resolve them. This course emphasizes an evolutionary, cross-cultural, and interdisciplinary perspective. Prerequisite: SOC101.

SOC206 Advanced Topics in Sociology (SS) **3 Credits**

These courses offer an in-depth exploration of specific issues and topics within the various subspecialties of sociology. These courses are intended for students who wish to pursue their studies in a particular field beyond the basic course offered in areas such as culture, socialization, inequality, economics, and social problems. Problems of academic and social significance are chosen for study. Topics will be changed each semester Prerequisite: SOC101 or permission of the instructor.

SOC215 Gender Studies (H) **3 Credits**

This introductory course will explore the history of gender studies through exploring feminism and the women's movement, the men's rights movement, gender theory, transgender and non-binary identities, gender-based violence, reproductive justice, and more. We will investigate what it is like to be a man, woman, intersex, or trans person in the United States. Students will be asked to reflect upon their own understanding of gender as well as their own personal beliefs, values, and opinions about gender. Prerequisite: ENG101 and COM104 or COM105.

SPA101 Elementary Spanish I (H) **3 Credits**

This beginning course is designed to give students basic fluency in spoken and written Spanish in the present tense. Students will learn pronunciation and basic sentence and questions patterns necessary to converse effectively and appropriately in everyday situations. Students will also learn to read signs, menus, and timetables, as well as simple prose. In addition, discussions about Spanish speaking countries, people, and customs will give students an understanding and appreciation of the varied cultures of the areas of the world where Spanish is spoken. This course is taught using the immersion technique; that is, the class is taught in the foreign language itself.

SPA102 Elementary Spanish II (H) **3 Credits**

This course reinforces and augments the vocabulary and skills introduced in the first semester course. Using role play based on real life situations, students will practice pronunciation and communication skills while increasing active vocabulary. Reading and comprehension will be reinforced with selected excerpts from literature, poetry, and media which emphasize Spanish history, culture, and traditions. This course likewise will be taught using the immersion technique. Prerequisite: SPA101 or one year of high school Spanish or permission of the instructor.

WLD101 Welding I **6 Credits**

This course provides the student with the opportunity to develop welding safety practices, skills in arc welding fundamentals, operation of welding machine power sources and accessories, as well as electrode classification and selection. It provides training for skill development necessary to make welds in all positions using E6011 and E7018 low hydrogen electrodes. Safe operation of the Oxy-Acetylene cutting process is also covered in great

detail. The course also provides training for skill development necessary to make precision cuts on carbon steel with the Oxy-Acetylene process. Co-requisites: BPT127, MAT114, SAF101.

WLD102 Welding II **6 Credits**

This course provides the student with the opportunity to develop skills using the semi-automatic Flux-Cored Arc Welding process. Emphasis on the proper use of semi-automatic equipment, operations, machine adjustments and recognition of weld quality will be introduced. The course provides training to develop the manual skills necessary to make quality multi-pass welds in all positions using 3/8" and 1" thick steel plate. Cutting processes that will be covered include Plasma Arc Cutting and Carbon Arc Cutting and Gouging. Prerequisites: BPT127, MAT114, SAF101, WLD101; Co-requisites: ENG108, PMT101.

WLD110 Metal Fabrication **3 Credits**

This course is designed to introduce students to the fundamentals of metal fabrication. The basic principles of estimating and fitting basic joints will be covered in detail. Major topics covered in this course include basic metallurgy in aluminum, carbon and stainless steel, classification of metals, properties of the metals, and metal designations and identification. The course will include a discussion of ferrous and nonferrous metals including coverage of advanced techniques in the oxy-fuel and plasma processes of cutting. Prerequisites: BPT127, SAF101, WLD101; Co-requisite: WLD102.

WSC110 Wood Science (SC) **3 Credits**

This course explores forest trees and the lumber derived from them from both an applied and scientific perspective. The course focuses on the sustainable production and use of wood as a building material or energy source. The biological and physical properties associated with trees and wood will be investigated. Other topics include drying, machining, bending and joining wood, woodlot management, and wood as fuel. Students will gain hands-on experience in tree and wood identification.

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Heidi Parent, Culinary Arts Instructor at Capital Area Tech Center
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Jenny France, Early Childhood Instructor, Somerset Career and Technical Center
Jeff Johnson, Executive Director, Children's Center
Miriam Jacobs, Family Engagement Manager, Kennebec Valley Community Action Program
Margaret Gurney, Afterschool Program Director, Waterville George J Mitchell School
Pam Soucy, Training Specialist, Maine Roads to Quality Professional Development Network
Rhonda Kaiser, Educare School Director, Educare Central Maine
Melinda Pelletier, KVCC Graduate
Pamela Thompson, Lunder School of Education Professor, Early Childhood, Thomas College

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Tim Burgess, IBEW, Local 104
John Cornforth, Kennebec Valley Community College
Dave Dufour, Central Maine Power
Ryan Fish, Emera Maine
Dave Moreau, IBEW, Local 104
Ryan Perkins, Cianbro Corp
Jon Sacks, Cianbro Corp.
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Scott Stoudameyer, Travers Electric
Brenda Clark, Verso Paper
Kevin Therriault, Central Maine Power
Chris Trembly, Revision Energy

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Christopher Azevedo, Maine EMS
Rielly Bryant, LifeFlight
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Michael Poli, Waldoboro EMS
Mike Senacel, NorthSatr
Steve Smith, NorthStar
Jared Stinson, NorthStar

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Sheri Conley, Mayo Regional Hospital
Jennifer Curry, Northern Light - Inland Hospital
Tracy Downing, Northern Light Health
Rhonda Garber, MaineGeneral Health
Kim Gray, Redington-Fairview General Hospital
Elizabeth Hilchey, Pen Bay Medical Center
Emmy Ledger, Sebasticook Valley Hospital
Leslie Lindquist, Lincoln Health Center
Renee O'Neill, St. Josephs Hospital
Carmen Paschal, Penobscot Community Health Center
Linda Pooler, Kennebec Behavioral Health
Elizabeth Wilkins, Northern Light, Blue Hill Hospital
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Tricia Dyer, University of Maine at Augusta
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Courtney Daggett, Redington Fairview
Robin Doody, Northern Lights-Inland Hospital
Paula Dube, Healthreach
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Hannah Keene, KVCC Student
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Kathy Englehart, Kennebec Valley Community College
Liz Kingsbury, MaineGeneral Medical Center
Stefne Kuespert, Redington Fairview General Hospital
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Leah Provost, Kennebec Valley Community College
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Cianbro Pipe and Structural Welder (inc. Fracture Critical) in accordance with ASME, AWS & CWB; OSHA 501 Instructor; NCCER Certified Instructor, Lincoln Electric Welding School, Cleveland, OH; UTI, NASCAR Technical Institute, Mooresville, NC.

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AAS Nursing, Kennebec Valley Community College; BS Nursing, University of Maine Fort Kent, ME; MS Nursing (in progress).

Pinkham, Jessica, *Department Chair, Early Childhood Education*
BS Early Childhood Special Education, University of Maine, Farmington; MS Leadership and Policy in Early Care and Education, Wheelock College, Boston, MA.

Provost, Leah, *Department Chair, Nursing*
AA Nursing, Kennebec Valley Community College, Fairfield, Maine, BSN UMaine, Fort Kent, MSN, UMaine, Orono, Maine

Raahede, Jessica, *Culinary Arts*
BPS Culinary Arts/Restaurant Management, The Culinary Institute of America, Hyde Park, NY.

Rines, Jennifer, *Radiologic Technology*
BA Radiological Tech Administration, St. Joseph's College of Maine, Standish, MA in Education, Thomas College.

Schryver, Danielle, *Department Chair, Respiratory Therapy*
MS Respiratory Care Leadership, Northeastern University, Boston MA

Slike, Michelle, *Physical Therapist Assistant*
BS Kinesology with Psychology minor, Husson, Bangor, Maine; Doctor of Physical Therapy, Husson, Bangor, Maine; Mast Health Administration, St. Joseph's College, Standish, Maine; Doctor Education in Curriculum & Instruction, Liberty University.

Soule, Andrew, *Department Chair, Sustainable Construction*
BA Early Childhood, University of Maine at Farmington, Farmington, ME; Certified International Residential Building Code, State of Maine

Spaulding, Danielle, *Associate in Applied Science in Radiology*
BS Oregon Institute of Technology; Maine College of Health Professions, Lewiston, ME, PT (R) (M)

Tardiff, Michael, *Department Chair, Career and General Studies Programs*
BA Media Studies and English, University of Southern Maine; MA Rhetoric and Writing, Michigan State University.

Weisher, Kara, *Occupational Therapy Assistant*
MS Occupational Therapy, Loma Lida University

Willett, Eric, *Department Chair, Electrical Lineworker Technology*
BS Technical Management - Occupational Safety and Health Candidate, Embry-Riddle Aeronautical University.

Worster, Charles, *Electrical Technology*
AA in Electronics, AA Electrical Power, ISA CCST Level 1 Certification, IFPS Mechanics Level Certification, State of Maine Master Electricians License; BS Business from Capella University.

York, Marjorie, *Department Chair, Business Administration*
BSN; BSE Florida International University; MBA Thomas College, Waterville, ME; ACA Accreditation; CPA; National Society of Public Accountants, EA Licensed to practice before the IRS.

Young, Shawn, *Department Chair, Mental Health*
MSW Social Work, Smith College, MA.

ADJUNCT FACULTY

Ahlstrin, Cynthia
Bachelor Of Arts in Art, Summa Cum Laude, University of Maine at Augusta, Minor in Book Arts, University of Southern Maine

Allen, Raelene
BS Business Education, University of Maine at Machias; MA Computer Technology, Thomas College, Waterville, ME.

Almquist, Stephen
BA Psychology, University of Maine at Farmington.

America, Alison
BA Psychology, Towson University, Maryland; MS Experimental Psychology, University of Hartford, Connecticut.

Ballard, Scott
BS Education, Secondary Math, MEd, University of Maine, Orono.

Bean, Erin
AAS Advanced Emergency Care, Kennebec Valley Community College.

Bizier, Briana
BA Religious Studies and Philosophy, Colby College, Waterville, ME; MA Religious Studies, University of Chicago Divinity School, IL.

Black, Lisa
BA English and Women's Studies; MA English, University of Maine, Orono.

Brace, Corbin
BA Physics with Prof. Cert Minor, Colby College, Waterville, ME; MSSE Science Education, Montana State University, Bozeman.

Bragdon, Tobby
AS Mental Health, Kennebec Valley Community College; BS Mental Health and Human Services, University of Maine at Augusta; MEd Candidate Student Development in Higher Education, University of Maine, Orono.

Brown, Kaylee
AA Early Childhood Education; BS Early Childhood Special Education, University of Maine at Farmington.

Brown, Rachel
BA Psychology, Franklin and Marshall College, Lancaster, PA; MS Rehabilitation Counseling, Virginia Commonwealth University, Richmond.

Brown, Sam
BA Sociology; MLS Library Science, Rutgers University; MA Sociology, University of South Alabama; MA Demography; PhD Sociology, University of Pennsylvania.

Bryant, Reilly
AAS Criminal Justice, Central Maine Community College, Auburn, ME.

Campbell, Michael
AAS Applied Electronics and Computer Technology; Kennebec Valley Community College, BS Applied Technical Education; University of Southern Maine, BS Public Administration; University of Maine at Augusta, MS Computer Technology in Education; Thomas College, Professional Certifications; CompTIA: A+, Net+, Security+, Cloud+, IC3, Strata, Adobe Certified Associate Photoshop and Dreamweaver, Apple Certified Train the Trainer

Chapman, James
BS Business Education, Accounting; MBA; MS Computer Technology Education, Thomas College, Waterville, ME.

Cole, Bonnie
MSW, School of Social Work, University of Maine, Orono.

Cote, Jill
MEd Early Childhood, Northern Arizona University, Flagstaff, AZ.

Crate, Mathew
AS Culinary Arts, McIntosh College, Dover, NH.

Cronin, Nancy
BA Communication, Western Connecticut State University; MA Counseling Psychology, Lesley University, Cambridge, MA.

Daigle, Tina
BA English, State University of New York, Potsdam; MS Education, The College of Saint Rose, Albany, NY; Doctorate in Educational Leadership, Curriculum and Instruction, University of Phoenix.

Damren, Jeremy
AS Justice Studies, University of Maine, Augusta, ME.

Dennett, Emily
BS Secondary Education, Mathematics, University of Maine at Farmington; MS Education, Teacher Leadership, Walden University, Minneapolis, MN.

DeScherer, Joshua
BA Music, Colby College, Waterville, ME; MA Music Composition, Tufts University, Medford, MA; PhD Music Composition, The University at Buffalo, NY.

Dionne, Mary
MEd Curriculum and Instruction, Concordia University, Portland, OR

Fales, Jennifer
BA Psychology, University of Maine at Farmington; Masters in Social Work, University of Maine.

Firmage, Elon
BA History and Spanish, Brigham Young University, Prov, Utah

Foss, Brittany
MS Early Childhood Education, University of Maine at Farmington.

Fossel, Leslie
BA Sociology and Anthropology, Lake Forest College, Lake Forest, IL.

Fuentes, Candice
BS Psychology; EdM Counseling Psychology, Washington State University, Pullman, WA.

Gillette, Linda
BSN, University of Rhode Island, Providence, RI.

Glennon, Mary
MS for Teachers of Writing, English, University of New Hampshire, Durham, NH.

Goodwin, Jacinda
MSW Social Work, University of New England, Biddeford, ME.

Grant, Kevin
BA Speech Communications, Cedarville College, OH; M.A. Speech Communications, Colorado State University, Fort Collins.

Hall, John
BS History/Political Science, University of Maine at Farmington; MS American and NE Studies, University of Southern Maine.

Hayward, Judy
MPA Public Administration, University of New Hampshire, Durham, NH.

Hicks, Charles
Bachelor of University Studies Concentration in French, University of Maine at Fort Kent; Master of Arts in Teaching French, University of Maine, Orono.

Hodgkiss, David
BS Business Administration, University of New England, Biddeford, ME; Certificate, Paramedicine, Kennebec Valley Community College.

Holzinger, Kristen
MA in Human Development and Family Studies (2006), University of Connecticut, BS in Early Childhood Education (2004), Univeristy of Maine at Farmington

Hood, Julie
AAS Business Administration, Kennebec Valley Community College; BS Computer Information Systems; MS Computer Technology, Thomas College, Waterville, ME; Ph.D. Candidate, University of Nebraska, Lincoln; MCSE; Network+.

Jewell, Margaret
BS Mathematics, Secondary Education; University of Maine at Farmington.

Johnson, Jeremiah
AAS Applied Electronics and Computer Technology, Kennebec Valley Community College; BS Computer Forensics and Digital Investigation (pending) Champlain College, Burlington, VT; Professional Certifications: CompTIA A+; NET+; i-NET+; Network+;Security+; Linux+; A+ IT Technician; Mobile App Security+ iOS, Mobile App Security+ Android Certified. PCPro Certified, Desktop Certified, SecurityProC Certified, DesktopPro Certified, Windows 7/8 Client Certified, ClientPro Certified.

Johnson, Michael
BA Political Science; MA Communication, University of Maine, Orono.

Kaiser, Rhonda
MA Early Childhood Education, University of Phoenix.

Katz, Elaine
BS State University of New York at Buffalo; MS Medical Microbiology, University of Minnesota, Minneapolis.

Kelsey, Sarah
AS Medical Assisting, Eastern Maine Community College, Bangor, ME.

Kennedy, Kim
Bachelors of Office Administration, Mount Saint Vincent University, Canada; MS Computer Technology in Education, Thomas College, Waterville, ME; Microsoft Office Certified with MOS.

Knight, John (Steve)
BA History, Ithaca College; MA History, University of Virginia.

Kouletsis, Raya
BS Environmental Science/Chemistry, Purchase College, NY; MS Nutrition, Columbia University, Institute of Human Nutrition, NY.

Lamontagne, Lisa
BS Elementary Education, University of Maine, Orono.

Landherr, James
BS Mathematics and Secondary Education, College at Oswego; MA Education Foundations and Curriculum, University of Connecticut, Storrs; EdD Candidate in Education Administration and Curriculum, Seton Hall University.

Libby, Laura
BA English; MA English, University of Maine, Orono.

Lindstam, Jaime
MSW Social Work, University of Maine, Orono.

Lovely, Tara
AAS Mental Health, Kennebec Valley Community College; BA Social Work; Masters in Social Work, University of Maine, Orono.

Lugo, TinaMarie
BA Human Ecology, Montclair State University, Montclair, NJ; MSW, University of Minnesota, St. Paul; LMSW, CPT.

MacLeod, Jason
BA English, Grinnell College, IA; BFA Creative Writing, University of Maine at Farmington; MA English, Iowa State University; MFA Creative Writing, University of Montana.

Mangin, Joshua
AS Physical Therapy Assistant, Kennebec Valley Community College; BA Psychology, University of Southern Maine.

Martin, Rebecca
BS Social Science; BA English, University of Maine; MA Psychology and Counseling, Goddard College; Licensed Clinical Professional Counselor (LCPC).

Martin, Tobby
MEd Higher Education, University of Maine, Orono.

Mc Bride, Ellen
MEd Literacy Education, University of Maine, Orono.

McGlauflin, Heather
AAS; AS; NRP Emergency Medical Services, Liberal Studies, Eastern Maine Community College, Bangor; National Registry of Emergency Medical Technicians.

Merrill, Heather
CAS Educational Leadership, University of New England, Biddeford, ME; BS Mechanical Engineering, Tufts University, Medford, MA

Michaud, Paula
BS Elementary Education, Speech, University of Maine at Farmington; MS Exceptionalities: Hearing Impaired, University of Southern Maine, Gorham.

Moores, Emily
AAS Occupational Therapy Assistant, Kennebec Community College; BS Health and Wellness, Kaplan University, Davenport, IA.

Morris, Andrew
AS Machine Tool Technology, Central Maine Community College, Auburn, ME

Noack, Sigrid, M.D.
Free University of Berlin Medical School, Germany; Pulmonary/Critical Care Fellowship, St. Lukes-Roosevelt Hospital Center, New York, NY.

Ochoa-Durrell, Deanne
MSW Social Work, University of New England, Biddeford, ME

Pakulski, Joseph (Dean)
BS Biology, University of Maine, Orono; MS Zoology; PhD Zoology, University of Georgia.

Palmer, Erica
MS Early Childhood Education, University of Maine at Farmington

Patel, Nikham
BS Law and Public Policy, Syracuse University, NY; MS Natural Resources, University of New Hampshire, Durham.

Piehl, Tim
MD, Dartmouth Medical School.

Pietroski, John

Radel, Brenda
AS Business Administration/Computer Option, Kennebec Valley Community College; BS Business Administration, Thomas College, Waterville, ME; MA Suicidology, Vermont College of Norwich University.

Ratte, Darlene
AS Secretarial Sciences, Husson College, Bangor, ME; BS Business Administration; MBA Business Administration, Thomas College, Waterville, ME.

Ray-Soulis, Katrina
MFA Creative Writing, University of Southern Maine.

Rogers, Heathers
MA English, University of Maine, Orono

Santilli, Roberta
AA Liberal Arts Studies, Kennebec Valley Community College; BA Psychology, University of Maine at Farmington; MSW Masters of Social Work, University of New England.

Shaw, Liam
BSW; MBA University of Southern Maine; MSW Boston University.

Sheive, Kathy
Phlebotomy Technician Certification from American Society for Clinical Pathology; Clinical Laboratory Phlebotomist Certification from National Certification Agency for Medical Laboratory Personnel.

Sirois, Elisha
Master of Science, Management, Healthcare Concentration, Southern New Hampshire University, Manchester, NH; Bachelors of Science, Clinical Laboratory Science, University of Maine & School of Medical Technology at Eastern Maine Medical Center, Bangor, ME

Sirois, Sarah
AB Mathematics, Bowdoin College, Brunswick, ME; MEd Curriculum and Instruction-Mathematics, Concordia University, Portland, OR.

Smith, Hollis
BA Biology, University of Maine at Farmington; MS Biology, University of Southern Maine.

Stevens, Gary
BA Economics, West Virginia/Wesleyan; MS Virginia Polytechnical Institute and State University; Registered Investment Advisor.

Towle, Alissa
Associate in Physical Therapist Assistant, Newbury College; Bachelors in Physical Therapy; Doctor of Physical Therapy, University of New England.

Vachon, Keven
AAS Electrical/Electronics, White Mountain Community College; Master Electrician; OSHA30 Certified Instructor.

Vanorden-Robe, Susan
MS Plant Biology and Pathology, University of Maine, Orono.

Vigue, Richard
Certificate in Electronic Technology, Southern Maine Technical Institute, South Portland.

Ward, Elizabeth
BA Psychology, University of Southern Maine; MA Psychology, Marriage and Family, Springfield College, MA; PhD Educational Psychology, Capella University, MN.

Whittemore, David
AA Liberal Studies, University of Maine at Augusta.

Wilson, Linda
BS Physical Therapy, University of Vermont, Burlington, VT.

Wing, Cheryl
MA Counseling, Spring Arbor University, MI: PhD Philosophy, Capella University, Minneapolis, MN.

Wood, Travis
BS Secondary Mathematics, University of Maine at Farmington; MS Mathematics Education with a concentration for Grades 6-8, Walden University, Minneapolis, MN.

Yates, Jessica
PhD Public Policy, University of Southern Maine.

Yawn, Gloria
AS Business Science/Administrative Medical Assistant, Beal College; Certified Medical Assistant, American Association of Medical Assistants.

CONCURRENT ENROLLMENT FACULTY

CAPITAL AREA TECHNICAL CENTER

Johnson, Francis (Rick)
Paramedic, National Fire Academy, Maine Fire Training and Education/Maine Fire Service Institute, Maine EMS, Lead Instructor Coordinator, Licensed.

Parent, Heidi
A.S. Culinary Arts, Southern Maine Community College, ServSafe Proctor, Certified.

CARRABEC HIGH SCHOOL

Collard, Marc
B.S. Mathematics, University Maine, Farmington; M.S. Statistics, University California, Davis.

Robinson, Stacey
B.S Secondary Education Social Science, University Maine, Farmington; M.S. Education Curriculum Assessment and Instruction, University Maine, Orono.

Thompson, Paul
M.Ed. Education and Psychology Education, St. Josephs College; B.S. Pre-Med, University of Maryland.

CONY HIGH SCHOOL

DeJongh, Jeffery
Master of Education, University of Maine.

Gingras, Ann
BS Food and Nutrition, University of Maine, Orono; Masters in Spanish, Middlebury College, VT.

Livingston, Gretchen
BA Spanish, Tufts University; Medford, MA Master of Arts in Teaching Spanish, School for International Training, Brattleboro, VT.

ERSKINE ACADEMY

Chadwick, Lynn
BS Sports Medicine, West Virginia Wesleyan College; M.S. Sports Medicine, Georgia State University.

Dail, Deidre
BS Secondary Education Mathematics, University of Maine.

Farady, David
Bachelor of Fine Arts, University of Maine at Farmington; Master of Arts in Teaching, Boston University.

McKenney Pamela
BS Elementary Education, University of Maine at Farmington; Master of Fine Arts in Creative Writing, University of Southern Maine.

Stevenson-Zepeda, Sonia
BS Education, University of Maine at Farmington; Master of Language Arts, Middlebury Language School, VT.

FOSTER TECHNICAL CENTER

McKenzie, Oliver
ECPC Paramedic Certificate, Kennebec Valley Community College; Paramedic, Licensed, Instructor Coordinator, EMT Licensed, Maine EEMS.

GARDINER AREA HIGH SCHOOL

Boudreau, Jennifer
B.A. Special Education/Mathematics, University Maine, Farmington; Masters Leadership in Education Administration, Capella University; Graduate Methods of Secondary Mathematics, University of Phoenix.

Colvin, Matthew
M.S. Special Education, University of Southern Maine; B.A. History, University of Southern Maine; A.A. Business Administration, San Jacinto College, Pasadena, TX.

Dostie, Amber
BS in Secondary Education, BS in History, University of Maine at Farmington; MS Education, Walden University; CAGS in Educational Leadership, University of New England.

Whitten, Mary
BS Education, University of Maine at Farmington; Masters of Education, University of Maine, Orono; Graduate Certificate in Educational Technology, Devry University.

LAWRENCE HIGH SCHOOL

Brown, Eric
BS Physical Education, Castleton State University, VT; Master of Education, University of Virginia, Charlottesville.

Firmage, Elon
B.A. History and Spanish, Brigham Young University Provo, UT.

Foster, Karen
BS Secondary Education, Mathematics, University of Maine at Farmington.

Hebert, Sarah
Bachelor in Liberal Arts; Masters in the Art of Teaching, University of Maine.

Malady, Kevin
B.S. Biology, University of Miami; B. Ed., University of Miami.

Packard, Vicki
BS Secondary Education. University of Maine, Orono.

LEAVITT HIGH SCHOOL

Desoi, William
BA Physics, BA Mechanical Engineering, Texas A & M University, College Station; MA Physics, Doctorate of Philosophy, Physics, University of Rochester, New York; ETEP Certification, University of Southern Maine.

MADISON AREA HIGH SCHOOL

Allen, Raelene
B.S. Business Education, University of Maine at Machias; M.A. Computer Technology, Thomas College, Waterville, ME.

Bussell, Karyn
M.Ed. Education, University of Maine Orono; B.S. Community Health Education, University of Maine Farmington.

Greenlaw, Brian
M.S. Education al Technology, Thomas College; B.S. Chemical Engineering, University of Maine Orono.

Kehrli, Hailey
M.A Creative Writing, University of Southern Maine; B.A Creative Writing minor in French, University of Maine Farmington; Maine Certification for Secondayr English.

Trahan, Amanda
M.S. Education, Thomas College, Waterville, ME; B.S. Elementary Education, University of Maine, Orono; Teaching Methods of Secondary Mathematics, University of Phoenix.

MAINE ACADEMY OF NATURAL SCIENCES

Dryer, Austin
M.S. Plant and Soil Science, Texas Tech. University; M.S. Botony and Plant Pathology, University of Maine Orono; B.S. Biology, University of Maine Orono.

MARANACOOK COMMUNITY HIGH SCHOOL

Braley, Jorgeanne
B.A. Physical Education, Universidade de Uberaba, MG,Brazi, University of Maine.

O'Donoghue, Sheryl
BA Biochemistry/Molecular Biology, Hamilton College, Clinton, NY; MEd, Cambridge College, MA; CAS Educational Leadership, Bridgewater State College, MA.

MESSALONSKEE HIGH SCHOOL

Bordes, Lizette
M.A. English Literature, Simmons College, Boston MA; C.A.S. Extension in Publishing/Communications, Harvard University; B.A. in English Literature, University of Lousiana, Lafayettte, LA.

DeRosby, Alan
M.A. Techology in Education, Thomas College, Waterville, ME; B.A. Secondary Education in Social Science, University of Maine Farmington.

Feldpausch, Erin
BA English; MA Teaching, University of Maine.

Michaud, Paula
BS Elementary Education, Speech, University of Maine at Farmington; MS Exceptionalities: Hearing Impaired, University of Southern Maine, Gorham.

MID-COAST SCHOOL OF TECHNOLOGY

Fayvil, Alex
M.A. Public Policy and Management, Muskie School of Public Service, University of Southern Maine; B.A. Communication and Multi Media/minor in Business Administration Temple University, Philadelphia, PA, State of Maine Certifications: Mathematics.

Stewart, Suzanne
M.S. Lieracy, University of Southern Maine; B.A. English, University of Southern Maine.

MID-MAINE TECHNICAL CENTER

Demers, Marsha
M.S. Early Childhood Education, University of Maine Farmington; B.S. Early Childhood Education, University of Maine Farmington.

Gorham, Pauline
B.S. Business Education, Thomas College, Waterville, ME; State Certified Secondary Education.

Grenier, Reginald
A.S. Industrial Electrical/Electronics Technology, Kennebec Valley Community College; B.S. Applied Technical Education, University of Maine; M.S. Computer Technology in Education, Thomas College.

Jones, Drew
A.A. Culinary Arts, Southern Maine Community College.

Waite, Kimberly
AA Liberal Studies, Kennebec Valley Community College; BA English, University of Maine at Augusta; MS Education, St. Joseph's College of Maine.

REGION 9, UNITED SCHOOL OF TECHNOLOGY MEXICO

Oswald, Terri
AS Early Childhood Education, Central Maine Community College; BA Education; MA Early Childhood Education, Liberty University, Lynchburg, VA.

SKOWHEGAN AREA HIGH SCHOOL

Abbott, Jody
BS University of Maine at Farmington, MS Education, University of Maine, Orono.

Libby, Laura
BA English; MA English, University of Maine.

Merrill, Heather
CAS Educational Leadership, University of New England, BIddefordd; B.S. Mechanical Engineering, Tufts University, Medford, MA.

Ross, Heather
B.A. Advanced Degree in Political Science, Dalhousie University; B.S. Secondary Education in Social Science, University of Maine Farmington; M.S. Educational Leadership, University of Maine Farmington.

SEARSPORT HIGH SCHOOL

Wirth, Raymond
BA Human Ecology, College of the Atlantic, Bar Harbor, ME; MA Teaching of English, Teachers College, Columbia University.

SOMERSET CAREER AND TECH CENTER

Butters, Lacey
A.S. in Nursing, Kennebec Valley Community College; B.S Nursing, Kaplan University.

France, Jennylyn
B.S. Early Childhood Education, M.S. Education, University of Maine at Farmington.

McKenzie, Oliver
ECPC Paramedic Certificate, Kennebec Valley Community College[Paramedic, Licensed; Instructor Coordinator, EMT Licensed, Maine EEMS.

WALDO COUNTY TECHNICAL CENTER

Breems, Lacey
B.S. Elementary Education, Mathematics, University of Maine Farmington.

Johnson, Jeremiah
AAS Applied Electronics and Computer Technology, Kennebec Valley Community College; Professional Licensing: CompTIA A+; NET+; i-NET+; Network+; Security+; Linux+; IT Technician; Mobile App Security+ iOS, Mobile App Security+ Android Certified.

WATERVILLE HIGH SCHOOL

Forkey, Donna
M. Ed. Education, Thomas College, Waterville, ME.

Hebert, Nancy
BS Education History, University of Maine at Farmington; MA Psychology, University of Maine, Orono, MA Philosophy, Boston College.

WESTBROOK REGIONAL VOCATIONAL CENTER

Bruns, Darlene
B.S. Early Childhood Education, University of Maine Farmington, State of Maine Teacher Certification.

WINSLOW HIGH SCHOOL

Brace, Corbin
BA Physics with Prof. Cert Minor, Colby College, Waterville, ME; MSSE Science Education, Montana State University, Bozeman.

Daigneault, Kelly
BS Secondary Education Life Science, University of Maine at Farmington; MS Chemical and Life Science, University of Maryland, College Park.

Goldsmith, Jared
M.Ed. Secondary Education, University of New Hampshire, Durham, NH; B.A. English, University of New Hampshire, Durham, NH.

Turner, Melissa
BS Secondary Education, University of Maine at Farmington; MS Education, Saint Joseph's College of Maine, Standish; MS Special Education, New England College.

WINTHROP HIGH SCHOOL

Boulette, Arielle
M.A. Educational Leadership, Lemar University; B.A. Secondary Education, University of Maine.

Boyce, Amanda
M.A. Teaching, University of Maine; B.A. Math, minor Psychology, Norwich University.

Kennebec Valley Community College is an equal opportunity/affirmative action institution and employer.

FAIRFIELD CAMPUS MAP

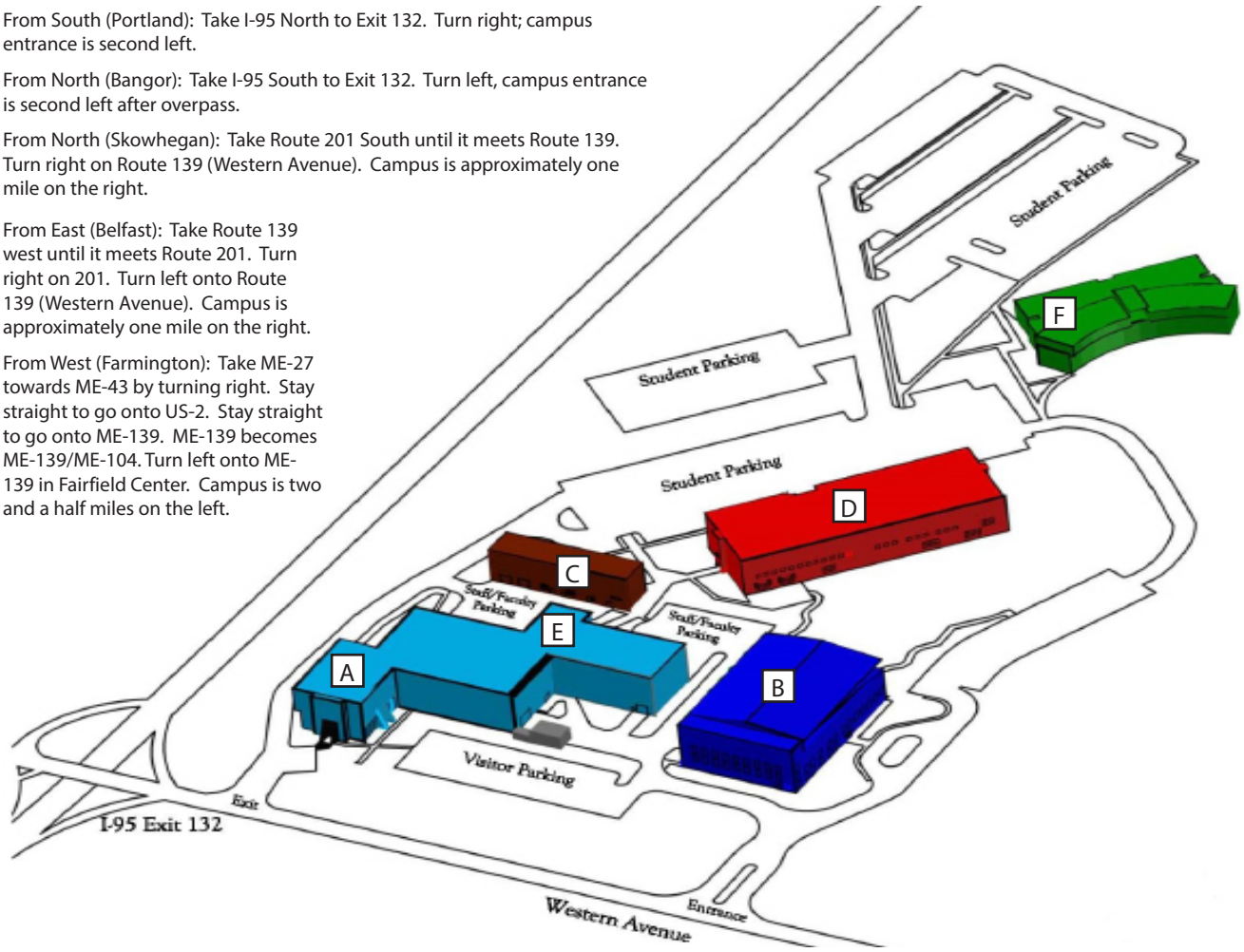
From South (Portland): Take I-95 North to Exit 132. Turn right; campus entrance is second left.

From North (Bangor): Take I-95 South to Exit 132. Turn left, campus entrance is second left after overpass.

From North (Skowhegan): Take Route 201 South until it meets Route 139. Turn right on Route 139 (Western Avenue). Campus is approximately one mile on the right.

From East (Belfast): Take Route 139 west until it meets Route 201. Turn right on 201. Turn left onto Route 139 (Western Avenue). Campus is approximately one mile on the right.

From West (Farmington): Take ME-27 towards ME-43 by turning right. Stay straight to go onto US-2. Stay straight to go onto ME-139. ME-139 becomes ME-139/ME-104. Turn left onto ME-139 in Fairfield Center. Campus is two and a half miles on the left.



A FRYE BUILDING

Academic Dean
Dean of Student Affairs
Dean of Technology/Chief Security Office
Embark Program
Enrollment Services Center

- Academic Affairs
- Advising & Enrollment Services
- Financial Aid

Registrar - Student Records

B CARTER HALL

Administration Offices Business Offices
Business Department Classrooms/ Computer Labs Institutional Research
KVCC Foundation
Multi-Purpose Room/Gym President
Workforce Training & Professional Development

C FRYE ANNEX

D KING HALL

Adjunct Faculty Offices
Allied Health and Nursing Labs
Allied Health Department
Campus Center
Campus Safety and Security Office
Classrooms/Computer Labs
College Store
Faculty Offices
Health Simulation Labs I and II
Information Technology (IT)
KVCC Food Pantry
Maintenance Department
Nursing Department
TRIO Project

E WHITNEY WING

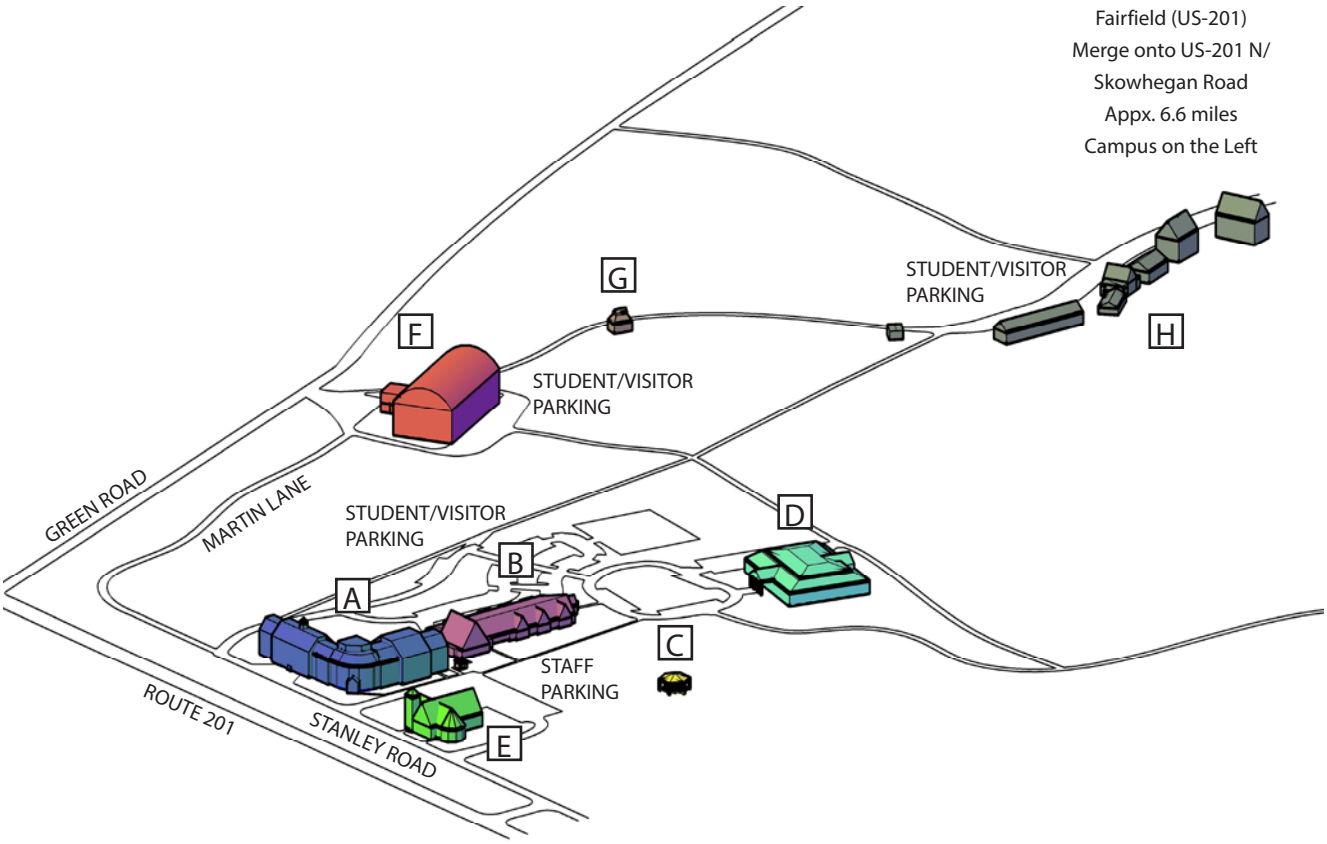
Classrooms/Labs — Trades and Technology
Faculty Offices
Trades and Technology Department

F LUNDER LIBRARY

Advising Center
Classrooms/Computer Labs Faculty Offices
Jobs for Maine's Graduates
Library Services
Math Portal
Learning Commons

ALFOND CAMPUS MAP

From I-95 North or South:
Exit 133, Skowhegan/
Fairfield (US-201)
Merge onto US-201 N/
Skowhegan Road
Appx. 6.6 miles
Campus on the Left



A AVERILL HALL

Adjunct Faculty Offices
Campus Safety and Security
Classrooms/Computer Labs
Culinary Arts Program/Kitchen
Education Program
English and Humanities Department
Faculty Offices
KVCC Food Pantry
Liberal Studies Program
Maintenance Department
Mental Health Program
Social Sciences Department
Student and Academic Services
Student Life Office
Learning Commons
TRIO Project

B SCIENCE BUILDING

Classrooms/Labs
Faculty Offices
Lecture Hall
Math and Science Department
Satellite Café

C PAVILION

D ALFOND RECREATION CENTER

Aerobics and Cycling Studio
Basketball Court
Fitness Center
Locker Rooms and Showers
Racquetball Court
Student Union

E MOODY CHAPEL

Ceremonial Hall
Conference Room

F NUTTER FIELD HOUSE

Electrical Lineworker Technology Program
Classrooms/Labs
Maintenance Block House
Sustainable Construction Program

G SUGAR SHACK

Maple Syrup Production Center

H EDUCATION CENTER

NOTICE OF NON-DISCRIMINATION

Kennebec Valley Community College does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, disability, or age or marital, parental or veteran's status in its programs and activities. Inquiries about the College's compliance with, and policies that prohibit discrimination on, these bases including Admission and hiring. may be directed to:

Affirmative Action Officer and Title IX Coordinator
Kennebec Valley Community College
Dean of Student Affairs
92 Western Avenue, Fairfield, ME 04937-1367

Telephone:	207-453-5019
Maine Relay Service:	800-457-1220
Fax:	207-453-5010
Internet:	http://www.kvcc.me.edu

and/or

United States Department of Education
Office for Civil Rights
33 Arch Street, Suite 900, Boston, MA 02110

Telephone:	617-289-0111
TTY/TDD:	617-289-0063
Fax:	617-289-0150
Email:	OCR Boston@ed.gov
Internet:	http://www.ed.gov/about/offices/list/ocr/index.html?src=oc

and/or

Maine Human Rights Commission (MHRC)
51 State House Station, Augusta, ME 04333-0051

Telephone:	207-624-6050
TTY/TDD:	207-624-6064
Fax:	207-624-6063
Internet:	http://www.state.me.us/mhrc/index.shtml

and/or

Equal Employment Opportunity Commission
475 Government Center, Boston, MA 02203

Telephone:	617-565-3200
	1-800-669-4000
TTY:	617-565-3204
	1-800-669-6820
Fax:	617-565-3196
Internet:	http://www.eeoc.gov/

KVCC | Kennebec Valley Community College
Maine

kvcc.me.edu • Admissions: 207.453.5822
Email: enrollment@kvcc.me.edu