

Professional Technical Program Outcomes

Skagit Valley College

Automotive Technology Program

- Develop the skills and knowledge to work safely in the lab/shop environment.
- Demonstrate professional conduct as an individual and as a member of a team or group in a workplace environment.
- Demonstrate ability to access and interpret technical information, using various sources, for use in vehicle testing, diagnosis and repair.
- Demonstrate ability to correctly test, diagnose, repair, and verify vehicle mechanical and electrical systems.
- Demonstrate knowledge and retention of entry-level skills necessary to gain employment and certification in the automotive industry.

Business Management Program (Business Management Department)

- Identify common business concepts, principles and practices.
- Apply problem solving and analysis skills to business questions and demonstrate appropriate solutions.
- Demonstrate common business technology skills.

Applied Management Bachelor of Applied Science Program (Business Management Department)

- Demonstrate an understanding of management roles, leadership, and cultural norms and expectations of leadership, including identification and description of human behavior in an organizational setting, with attention to the dynamics of power and privilege.
- Prepare and complete cost control processes including the ability to establish a budget, prepare cost reports, and forecast expenditures.
- Acquire, organize, analyze, and interpret information and data to make informed, reasoned, equitable decisions and analyze systems for planning and decision-making.
- Identify and analyze human resource systems for developing diverse human capital, employment, compensation, and training and institute and facilitate inclusive team-based problem-solving environments.
- Analyze, build, and leverage social capital for occupational advancement, which will include the development of materials to structure and support ongoing personal career management.
- Demonstrate a knowledge of the local business environment and community and an awareness of issues and opportunities emerging from the changing socio-economic, technological, and environmental landscape.

- Explore, appreciate, and define the opportunities, challenges, and nuances of operating in an increasingly diverse, interconnected, and complex global community.
- Recognize and challenge culture-bound assumptions.

Computer Information Systems Program

- Know how to disassemble and reassemble a computer
- Know how to install and configure current popular network and client operating systems
- Explain data protection and network hardening techniques
- Comprehend decision and iteration control structures
- Design a database that corrects flaws in existing legacy applications

Criminal Justice Program (Criminal Justice Department)

- Identify, interpret and apply local, state, tribal, and federal laws relevant to the fair and equitable administration of justice.
- Identify, and explain the duties and responsibilities of, the various organizational components/units of local, state, tribal and federal criminal justice and regulatory agencies, then develop an employment plan to pursue employment at one, or more, of these agencies.
- Demonstrate an understanding of the legal and ethical aspects of professionalism in the criminal justice profession.

Parks Service & Management Program (Criminal Justice Department)

- Identify, interpret and apply local, state, tribal, and federal laws relevant to the fair and equitable administration of justice.
- Identify, and explain the duties and responsibilities of, the various organizational components/units of local, state, tribal and federal criminal justice and regulatory agencies, then develop an employment plan to pursue employment at one, or more, of these agencies.
- Demonstrate an understanding of the legal and ethical aspects of professionalism in the criminal justice profession.
- Demonstrate an understanding of the responsibilities of a park management professional, park resource management best practices, and the balance between enforcement, conservation, and interpretive functions in a park setting.

Culinary Arts Program (Culinary Arts Department)

- Explain and apply safety and sanitation procedures in compliance with national standards.
- Demonstrate and assess fundamental techniques, knife skills, sustainable practices and coking procedures.

- Identify and demonstrate fundamental baking techniques, weights, measurements and standard recipe execution.
- Identify the role of leadership. Demonstrate effective communication skills. Identify the steps necessary to overcome conflict.
- Demonstrate skills and assessment of advance yeast breads, pastries, confections and dessert products
- Identify and demonstrate best dining room service procedures.

Baking Program (Culinary Arts Department)

- Explain and apply safety and sanitation procedures in compliance with national standards.
- Demonstrate and assess fundamental techniques, knife skills, sustainable practices and cooking procedures.
- Identify and demonstrate fundamental baking techniques, weights, measurements and standard recipe execution.
- Identify the role of leadership. Demonstrate effective communication skills. Identify the steps necessary to overcome conflict.
- Demonstrate skills and assessment of advance yeast breads, pastries, confections and dessert products.

Diesel Power Technology Program

- Demonstrate an ability to arrive on time and be prepared to go to work at the appointed time.
- Be proficient at locating specific technical information regarding various repair procedures
- Demonstrate proficiency with electrical diagnostics and meter usage.

Early Childhood Education Program (Early Childhood Education Department)

- Promote child development and learning.
- Build family and community relationships.
- Observe, document, and assess to support young children and families.
- Use developmentally effective approaches.
- Use content knowledge to build meaningful curriculum.

Education Program (Early Childhood Education Department)

- Promote Child Development and Learning
- Build Family and Community Relationships
- Observe, Document, and Assess to Support Young Children and Families
- Use Developmentally Effective Approaches
- Use Content Knowledge to Build Meaningful Curriculum

Environmental Conservation Bachelor of Applied Science Program (Environmental Conservation Department)

- Understand and apply federal, state, and tribal policies driving natural resource policies.
- Use landscape ecology principles and technology to analyze ecological scenarios for management decisions at the watershed level.
- Apply forest ecology and silvicultural techniques to develop management scenarios for working forests.
- Use salmon biology to inform and to make management decisions regarding individual salmon stocks and outline ecological restoration measures.
- Contribute to natural resource decision-making groups utilizing effective communication techniques.
- Apply conservation biology strategies and community ecology principles in the management of biodiversity at the landscape level.
- Incorporate watershed management science in management strategies for managing watersheds sustainably for ecosystem services and natural resources.
- Develop and implement management actions for aquatic habitats.
- Develop and demonstrate leadership skills within the environmental sciences and natural resources management.

Environmental Conservation Transfer Program (Environmental Conservation Department)

- Conduct water quality (WQ) analyses and reporting according to accreditation standards by Washington Department of Ecology.
- Outline an ecological sampling design.
- Utilize ecological processes in an ecosystem context; flow diagrams.
- Correctly perform a wetland delineation procedure using correct soil, plant, and hydrology ID.
- Construct a realistic ecological restoration project; correct spatial and temporal scales; costs, ecological elements and processes restored.

Environmental Conservation Marine Program (Environmental Conservation Department)

- Conduct water quality (WQ) analyses and reporting according to accreditation standards by Washington Department of Ecology.
- Outline an ecological sampling design.
- Utilize ecological processes in an ecosystem context; flow diagrams.
- Understand ocean responses to climate change.
- Understand changes in the sea mammal communities in the Salish Sea.

Parks Resource Program (Environmental Conservation Department)

- Conduct water quality (WQ) analyses and reporting according to accreditation standards by Washington Department of Ecology.
- Outline an ecological sampling design.
- Utilize ecological processes in an ecosystem context; flow diagrams.
- Communicate environmental information to the public; poster presentation or other.
- Communicate climate change effects to park environments.

Waste & Wastewater Treatment Program (Environmental Conservation Department)

- Conduct water quality (WQ) analyses and reporting according to accreditation standards by Washington Department of Ecology.
- Outline an ecological sampling design.
- Utilize ecological processes in an ecosystem context; flow diagrams.
- Water or wastewater license; how many students successfully obtain a state license within the first year after graduation.
- Understand effluent permits and apply changes to flow and water quality parameters.

Fire Protection Technology Program (Fire Protection Technology Department)

- Students will understand how hostile fire conditions develop that threaten the public and emergency responders.
- Students will understand how various work environments can affect development of hostile fire conditions.
- Students will efficiently utilize tactical resources and effective methods of deployment in responding to a variety of emergency incidents.
- Students will possess a knowledge and skill set that allows them to be effective in preventing hostile fire emergencies occurring in their community.
- Students will possess a set of values and skills that demonstrate a high level of professionalism and ability to work in complex teams and organizations.

Fire Services Administration Program (Fire Protection Technology Department)

- Students will understand how hostile fire conditions develop that threaten the public and emergency responders.
- Students will understand how various work environments can affect development of hostile fire conditions.
- Students will possess a set of values and skills that demonstrate a high level of professionalism and ability to work in complex teams and organizations.
- Students will possess a knowledge and skill set that allows them to be effective in preventing hostile fire emergencies occurring in their community.

Health & Fitness Technician Program

- Demonstrate proficiency in client interviews and assessments
- Demonstrate knowledge of program design and implementation
- Demonstrate knowledge of program progression and modifications

Human Services Generalist Program (Human Services Department)

- Demonstrate an understanding of the nature and treatment of addiction, psychopathology (including knowledge of the motivation of change), physiology of addiction and mental illness.
- Effectively work with consumers (or clients) using ethical procedures and crisis management techniques.
- Demonstrate capability in case management tasks such as assessment, equitable access to services, treatment planning, documentation and referral procedures.

Substance Use Disorder Program (Human Services Department)

- Understand the pharmacological actions of alcohol and other drugs.
- Develop an understanding of effective drug and alcohol prevention and relapse prevention programs as well as local client, family and community drug prevention education opportunities.
- Demonstrate familiarity with substance abuse and addiction treatment methods, addiction placement, continuing care, and discharge criteria (including American Society of Addiction Medicine (ASAM) criteria).
- Demonstrate an understanding of the 26 focus areas that the Washington State Department of Health has mandated as essential knowledge for those entering the substance abuse treatment field. Upon completion of the coursework, be prepared to become a Chemical Dependency Professional (CDP).

Engineering Technology Program (Manufacturing Technology Department)

- Demonstrate the ability to participate, contribute and work effectively in teams.
- Demonstrate precision measurement methods, the tools of quality control and lean manufacturing and how they are applied in the work place.
- Use computer technology to develop, interpret and communicate technical information and specifications.
- Demonstrate proficiency in basic AC/DC theory and electrical control.
- Demonstrate the proficient application of composite manufacturing methods, materials and tools.

Operations Management Program (Manufacturing Technology Department)

- Demonstrate the ability to participate, contribute and work effectively in teams.
- Demonstrate precision measurement methods, the tools of quality control and lean manufacturing and how they are applied in the work place.
- Use computer technology to develop, interpret and communicate technical information and specifications.

Marine Maintenance Technology Program

- Exhibit safe and proficient working practices in the lab/shop environment.
- Demonstrate mechanical and electrical skills.
- Develop the knowledge and proficiency necessary to pass certification exams.

Medical Assistant Program

- Demonstrate knowledge of foundational theory in clinical and administrative standards as it applies to the Medical Assistant's scope of practice.
- Apply law and ethics to the medical assisting scope of practice and patient care.
- Perform clinical and administrative skills accurately and consistently.
- Demonstrate the ability to manage workflow given varied patient scenarios and clinical situations.
- Recognize the medical needs of diverse populations, demonstrate cultural competence and appropriate communication with patients and the healthcare team.
- Model the qualities of valued healthcare team professionals.

Multimedia Interactive Technology Program

- Use contemporary and industry-standard design tools, applications, technologies, processes and techniques to edit and create digital media products and solutions.
- Revise and improve work through self-analysis, peer critique and instructor evaluation based on standard design guidelines.
- Design and produce a professional web-based digital media portfolio featuring an archive of work that demonstrates student knowledge, proficiency, skill and talent.

Nursing Program

- Human Flourishing: Advocate for patients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.
- Nursing Judgment: Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and promote the health of patients within a family and community context.
- Professional Identity: Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to

evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.

- Spirit of Inquiry: Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.

Accounting Paraprofessional Program (Office & Business Technology Department)

- Produce professional documents using word processing, spreadsheet, presentation, and data base software.
- Apply generally accepted accounting principles (GAAP) when recording transactions in an accounting cycle.
- Students will create an employment packet.
- Accurately record business transactions in a variety of business structures.

Administrative Assistant Program (Office & Business Technology Department)

- Produce professional documents using word processing, spreadsheet, presentation, and data base software.
- Apply generally accepted accounting principles (GAAP) when recording transactions in an accounting cycle.
- Students will create an employment packet.
- Produce a variety of properly formatted business documents.

Sustainable Agriculture Program

- Plan, start from seed, grow to maturity and harvest vegetable or ornamental plants in greenhouse or in open field.
- Define agriculture, agronomy, and agroecology, and use examples to highlight the differences among the three terms.
- Research and identify plant problems in a crop.
- Use Land Equivalency Ratios and simple algebra to demonstrate advantages to intercropping over monocultures for crop yields, for crop prices and for crop costs.

Welding Technology

- Demonstrate safe and healthy of welding practices
- Fabricate competently
- Weld Proficiently
- Work Effectively