

Klamath Community College

Dual Credit Supported Courses Available for Articulation

Accounting

BUS 104 – Practical Accounting

Credits: 2

Description: Introduces students to the basic functions of bookkeeping and accounting, including journalizing transactions, posting to the general ledger, analyzing and adjusting the ledger, and preparing simple financial statements for a service business. No previous accounting is required.

BUS 105 – Introduction to Personal Finance

Credits: 2

Description: Covers elements of personal financial planning, including creating a personal vision and plan, evaluating financial products such as investing, debt, risk management, and budgeting.

Automotive Courses

AMT 101 – Workplace Skills Training

Credits: 4

Description: Responds to automotive industry needs for basic skills indicative of certified automotive technicians. Focuses on developing life skills necessary for employment in the automotive industry, including seeking and applying for employment, preparing resumes, filling out applications, interviewing techniques, personal appearance, communication skills, punctuality, regular attendance, following directions, general shop practices, productivity, hourly and flat rate compensation, time clock management, problem solving, employee loyalty and responsibility, professionalism, and customer service skills. Provides theory and hands-on experience on live vehicles as the foundation for advanced automotive courses.

AMT 110 – Automotive Electrical/Electronic Systems

Credits: 8

Description: Provides instruction in basic electricity and electronic systems, covering electrical principles, basic circuit configuration, Ohm's law, electrical components, wiring and wiring repairs, common tools and testing equipment, basic testing and problem isolation. Students work with multimeters and other electrical test equipment to develop troubleshooting techniques required for diagnosing automotive starting and charging systems, advanced electronic systems, automotive processing units, multiplexing, electrical accessories, and body/chassis electronic control systems.

Corequisite: Verifiable registration/attempted testing of ASE area A6: Electrical/Electronic Systems.

AMT 291 – Safety and Lubrication

Credits: 2

Description: Focuses on career readiness education through practice of live work-based skills, introducing students to the correct use of personal safety equipment and procedures.

Art

ART 102 – Intro to Art History: Visual Arts

Credits: 3

Description: Introduces Western visual art from antiquity to 1945, providing a perspective of history through its visual footprint and understanding the changing purpose of art and the role of artists in relation to their social and cultural contexts.

Prerequisite: WRI 095 **or** WRI 121 **or placement** into WRI 121.

ART 115 – Basic Design: 2D Black & White

Credits: 3

Description: Studio course introducing 2D black-and-white foundations centered on creative problem solving. Establishes critical skills and personal artistic vision, exploring black-and-white design concepts with reference to historical and contemporary perspectives.

ART 116 – Basic Design: 2D Color

Credits: 3

Description: Studio course introducing 2D color foundations centered on creative problem solving. Establishes critical skills and personal artistic vision, exploring color design concepts with reference to historical and contemporary perspectives.

ART 117 – Basic Design: 3D Foundations

Credits: 3

Description: Studio course introducing foundations of 3D design and spatial organization. Emphasizes innovative problem solving with varied media, establishing critical skills and artistic vision, exploring 3D concepts with reference to historical and contemporary perspectives.

Recommended: Co-Enrollment **or** completion of WRI 095.

ART 131 – Intro to Drawing

Credits: 3

Description: Studio experience exploring basic drawing techniques, materials, and concepts while addressing historical and contemporary issues. Presents a conceptual framework for critical analysis along with basic art theory. College-level reading comprehension is recommended. Students are expected to purchase materials for this course based on a list provided by the instructor. Material costs will be approximately \$100.

Note: May not be taken concurrently with ART 231.

Aviation

AVS 100 – Intro to Aviation

Credits: 4

Description: Examines aviation from early flight to future potentials, introducing career opportunities in all fields of aviation and outlining career advancement possibilities. Provides a general overview of pilot certificates, ratings, and training aircraft used.

AVS 105 – Aviation Fundamentals

Credits: 4

Description: Covers the basic fundamentals of aircraft aerodynamics, aircraft performance, and aviation meteorology with emphasis on Air Traffic Control (ATC), pilot communication, and the National Airspace System (NAS).

AVS 150 – Meteorology I

Credits: 4

Description: Survey course in atmospheric science covering weather basics and atmospheric circulations. Includes systematic development of the atmosphere, energy and temperature, wind, atmospheric moisture, horizontal and vertical pressure patterns, clouds, atmospheric circulation, stability, air masses, fronts, fog, icing, thunderstorms, jet streams, and turbulence. Students study surface weather observations, routine weather reports and forecasts, surface maps, and constant pressure maps.

AVS 155 – Applied Aerodynamics

Credits: 4

Description: Introduces aerodynamics, exploring various concepts and theories relevant to modern aviation.

Prerequisite: AVS 105 or instructor approval.

Biology

BIO 101 – Biology I

Credits: 3

Description: A laboratory science course designed for non-biology majors. The first term of a three-term sequence. Includes introduction to science, biochemistry, metabolism, the cell, molecular biology, and reproduction.

Recommended: Completion of CAS 133.

Prerequisites: MTH 070 **or** MTH 095 **or** MTH 111 **or** placement into MTH 095 **or** MTH 111 **and** WRI 095 **or** WRI 121 **or** placement into WRI 121.

Corequisite: BIO 101L.

BIO 101L – Biology I Lab

Credits: 1

Description: Laboratory activities relating to BIO 101.

Corequisite: BIO 101.

BIO 102 – Biology II

Credits: 3

Description: A laboratory science course designed for non-biology majors. Presents protein synthesis, cell divisions, animal reproduction, genetics, embryology, and the basic doctrines of evolution.

Prerequisites: MTH 070 **or** MTH 095 **or** MTH 111 **or** placement into MTH 095 **or** MTH 111 **and** WRI 095 **or** WRI 121 **or** placement into WRI 121.

Corequisite: BIO 102L.

BIO 102L – Biology II Lab

Credits: 1

Description: Laboratory activities relating to BIO 102.

Corequisite: BIO 102.

BIO 103 – Biology III

Credits: 3

Description: A laboratory science course designed for non-biology majors. Presents the evolutionary relationships among the five kingdoms and their major phyla. The last half of this term covers human systems.

Corequisite: BIO 103L.

BIO 103L – Biology III Lab

Credits: 1

Description: Laboratory activities relating to BIO 103.

Corequisite: BIO 103.

BIO 112 – Integrated Chemistry and Cell Biology for Health Occupations

Credits: 3

Description: Introduces basic concepts of matter, atoms, compounds, intermolecular forces, solutions, pH, biomolecules, cell chemistry, cell structure and function, cell reproduction, and genetics. Concepts covered are applied to health-related problems.

Recommended: MTH 070 **or** MTH 095 **or** MTH 111 **or** *placement* into MTH 070.

Corequisite: BIO 112L.

BIO 112L – Integrated Chemistry and Cell Biology for Health Occupations Lab

Credits: 1

Description: Laboratory activities relating to BIO 112.

Corequisite: BIO 112.

BIO 221Z – Principles of Biology: Cells

Credits: 4

Description: Explores fundamental biological concepts and theories about the cellular and molecular basis of life including cell structure and function, metabolism, genetic basis of inheritance, and how information flows from DNA to proteins, with a focus on the iterative process of science. Intended for science majors.

Corequisite: BIO 221LZ.

BIO 221LZ – Principles of Biology: Cells Lab

Credits: 1

Description: Lab activities relating to BIO 221Z.

Corequisite: BIO 221Z.

BIO 222Z – Principles of Biology: Organisms

Credits: 4

Description: Explores fundamental biological concepts and theories about the structure and function of diverse organisms (including plants and animals), evolution and development, transformation of energy and matter, and body systems at a multicellular organismal level. Intended for science majors.

Corequisite: BIO 222LZ.

BIO 222LZ – Principles of Biology: Organisms Lab

Credits: 1

Description: Lab activities relating to BIO 222Z.

Corequisite: BIO 222Z.

BIO 223Z – Principles of Biology: Ecology and Evolution

Credits: 4

Description: Explores the unity and diversity of life through evolutionary mechanisms and relationships, and adaptation to the environment. Examines population, community, and ecosystem ecology. Intended for science majors.

Corequisite: BIO 223LZ.

BIO 223LZ – Principles of Biology: Ecology and Evolution Lab

Credits: 1

Description: Lab activities relating to BIO 223Z.

Corequisite: BIO 223Z.

BIO 270 – Ecosystems

Credits: 4

Description: An overview of ecological principles and types of ecosystems, energy dynamics, resource flow, chemical and biological cycles, population dynamics, and human ecology. Descriptive modeling of environmental systems and resource analysis.

Prerequisites: BIO 212 **or** ENV 170 **and** MTH 095 **or** MTH 111 **or** *placement* into MTH 111 **and** WRI 095 **or** WRI 121 **or** *placement* into WRI 121.

Corequisite: BIO 270L.

BIO 270L – Ecosystems Lab

Credits: 1

Description: Lab activities relating to BIO 270.

Corequisite: BIO 270.

Business

BUS 101Z – Introduction to Business

Credits: 4

Description: Presents an integrated view of both established and entrepreneurial business by studying their common characteristics and processes in a global context. Introduces theory and develops basic skills in accounting, finance, management, and marketing, with an emphasis on social responsibility and ethical practices. Explores how businesses can create value for themselves and society by addressing environmental and social challenges.

BUS 150 – Intro to Entrepreneurship

Credits: 3

Description: Covers the basics of entrepreneurship, including the personal aspects of entrepreneurs, opportunity identification, and organizational structuring. Introduces information on becoming an entrepreneur, selecting a type of ownership, developing a business plan, marketing a business, hiring and managing staff, and financing, protecting, and insuring the small business.

BUS 169Z – Data Analysis Using Microsoft Excel

Credits: 4

Description: Covers Microsoft Excel software skills necessary for evidence-based problem-solving, including workbook editing, formula creation, charting, and pivot tables. Emphasizes hands-on learning using Excel functions to perform data analysis to enhance decision-making.

BUS 206 – Management Fundamentals

Credits: 3

Description: Studies basic management and organizational principles within business entities. Introduces concepts of planning, organizing, leading, control, implementation of change, ethical behavior, and corporate culture. Provides opportunities for students to apply concepts to actual workplace scenarios and evaluate impact on global business activities.

BUS 214 – Business Communications

Credits: 3

Description: Covers concepts and skills necessary to communicate in today's constantly changing business environment. Students learn how to create a wide range of business documents and oral presentations, addressing the needs of diverse audiences and ethical implications of the communication process.

Prerequisites: CAS 133 and WRI 121. Instructor approval may be obtained if a student has not met the WRI 121 prerequisite.

BUS 223 – Principles of Marketing

Credits: 3

Description: Studies and analyzes the elements of marketing and marketing strategy, stressing product development, policies, pricing strategies, promotion, distribution, international markets, and consumer behavior. Emphasizes the elements of the marketing mix and target markets for consumer and industrial markets.

BUS 226Z – Introduction to Business Law

Credits: 4

Description: Provides a comprehensive overview of U.S. business law, including the legal system, contracts, torts, intellectual property, agency, employment, and business organization forms. Emphasizes practical legal knowledge and explores how laws impact business operations, focusing on risk management, contract disputes, business formation, and compliance with government regulation. Introduces legal challenges in business through real cases and legal terminology.

Prerequisite: WRI 121.

BUS 285 – Human Relations in Organizations

Credits: 3

Description: Covers human interactions within organizations, with a particular focus on communication and small group dynamics. Explores human relations techniques that build better employer/employee relationships and addresses interpersonal relations both on the job and in everyday life.

Chemistry

CHE 104 – General Chemistry I

Credits: 4

Description: Includes general principles of chemistry, including atomic structure, mole concept, chemical reactions stoichiometry, and gas laws.

Prerequisites: MTH 095 **or** MTH 111 **or** placement into MTH 111 **and** WRI 121.

Corequisite: CHE 104L.

CHE 104L – General Chemistry I Lab

Credits: 1

Description: Laboratory activities relating to CHE 104.

Corequisite: CHE 104.

CHE 105 – General Chemistry II

Credits: 4

Description: Includes stoichiometry, gases, oxidation reduction, acid/base concepts, equilibrium, and physical and chemical properties of solutions.

Prerequisite: CHE 104.

Corequisite: CHE 105L.

CHE 105L – General Chemistry II Lab

Credits: 1

Description: Laboratory activities relating to CHE 105.

Corequisite: CHE 105.

CHE 106 – General Chemistry III

Credits: 4

Description: Includes fundamental principles of organic chemistry, biochemical processes, and nuclear chemistry.

Prerequisite: CHE 105.

Corequisite: CHE 106L.

CHE 106L – General Chemistry III Lab

Credits: 1

Description: Laboratory activities relating to CHE 106.

Corequisite: CHE 106.

CHE 221Z – General Chemistry I (Preprofessional)

Credits: 4

Description: Explores and applies principles and applications of chemistry. Emphasis on measurement, components of matter, atomic and molecular structure, quantitative relationships including foundational stoichiometry, and major classes of chemical reactions.

Prerequisites: MTH 095 **or** MTH 111 **or** placement into MTH 095 **or** MTH 111.

Corequisite: CHE 221LZ.

CHE 227LZ – General Chemistry I Lab

Credits: 1

Description: Laboratory activities relating to CHE 221Z.

Corequisite: CHE 221Z.

CHE 222Z – General Chemistry II (Preprofessional)

Credits: 4

Description: Explores and applies principles presented in CHE 221Z to the study of the solid, liquid, and gaseous states of matter. Principles of stoichiometry, thermochemistry, kinetics, and foundational equilibrium are explored and applied to the study of aqueous and gas-phase chemical reactions.

Prerequisite: CHE 221Z.

Corequisite: CHE 228LZ.

CHE 228L – General Chemistry II Lab

Credits: 1

Description: Laboratory activities relating to CHE 222Z.

Corequisite: CHE 222Z.

CHE 223Z – General Chemistry III (Preprofessional)

Credits: 4

Description: Builds upon the principles presented in CHE 222Z, explores thermodynamics and chemical equilibrium, and applies them to the study of aqueous acid-base reactions, solubility, and electrochemistry. CHE 223Z is a lecture course; CHE 229Z is the laboratory component.

Prerequisite: CHE 222Z.

Corequisite: CHE 229LZ.

CHE 229L – General Chemistry III Lab

Credits: 1

Description: Laboratory activities relating to CHE 223Z.

Corequisite: CHE 223Z.

College General Studies

CGS 100 – College Survival & Success

Credits: 3

Description: Helps students become more effective learners. Covers college terms and information, class choice, degree requirements, etc. Assists new or returning students in making personal and social adjustments for college success.

CGS 112 – Career Exploration & Planning

Credits: 1

Description: Helps students learn about the career exploration process and prepares them to make informed choices about their chosen profession. Students complete a variety of self-assessments to discover their unique strengths and preferences, explore various career options, learn about college majors and career pathways, and practice decision-making and goal-setting skills.

Computer Applications

CAS 121 – Beginning Keyboarding

Credits: 2

Description: Teaches students to key the alphabetic portion of the computer keyboard by touch, develop or refine basic keyboarding techniques, and increase speed and accuracy.

CAS 122 – Keyboarding for Speed & Accuracy

Credits: 3

Description: Refines keyboarding technique, increases speed, and improves accuracy through corrective practice.

Recommended: Ability to touch type (defined as using the correct key reaches and not looking at keys while typing) at a minimum rate of 20 wpm.

CAS 133 – Intro to Computing Skills Lecture

Credits: 3

Description: Provides hands-on experience with Microsoft Office software fundamentals, including Word, PowerPoint, and Excel. Includes concepts of computer operations and literacy as well as insight into the broad impact of computers on today's society.

Recommended: WRI 095 **and** keyboarding by touch.

Corequisite: CAS 133L.

CAS 133L – Intro to Computing Skills Lab

Credits: 1

Description: Laboratory activities relating to CAS 133.

Corequisite: CAS 133.

CAS 216 – Word Processing

Credits: 3

Description: Acquires knowledge and skills while preparing and editing word-processed documents.

Recommended: Successful completion **of** CAS 133 **and** 25 wpm keyboarding proficiency.

Cosmetology

Requires more in-depth conversation with the educational institution interested in providing these courses.

There are 24 supported courses. Please contact KCC's Director of Accelerated Learning for more information at Kandra@klamathcc.edu or 541-880-2337.

Criminal Justice

CJA 101 – Introduction to Criminal Justice & Human Services Career

Credits: 3

Description: This course is designed to help students become aware of career and education options in human services and criminal justice. Students will become familiar with the educational requirements, lifestyle considerations, application processes, training, certification requirements, and career opportunities in these fields. Students will solidify their academic plan and prepare a personal career plan based on their goals. There are **no prerequisites** for this course. *Students are strongly encouraged to take this course concurrently or immediately after CGS 100.*

CJA 111 – Introduction to Criminal Justice System – Police

Credits: 3

Description: This course examines the American criminal justice system and its origin, with particular attention to the police. It provides an overview of the entire criminal justice process and reviews contemporary practices such as community policing.

CJA 112 – Introduction to Criminal Justice Systems – Courts

Credits: 3

Description: This course explores the court system and its procedures, laws as they affect the court system, types and degrees of evidence, rules governing admissibility of evidence, and the structure and function of local, state, and federal court systems in the United States.

CJA 120 – American Criminal Justice System

Credits: 3

Description: This course provides an overview of the American criminal justice system, examining its structure, functions, processes, and theoretical perspectives in criminology, including biological, psychological, and sociological explanations. It focuses on law enforcement, criminal courts, corrections, community-based sanctions, and the constitutional frameworks in which they operate.

Early Childhood Education

ECE 101 – Child, Family, Community

Credits: 3

Description: This course explores the various influences on children and families that shape behaviors, values, attitudes, beliefs, and morals. Key topics include parenting patterns, cultural, religious, and socioeconomic influences, as well as the impacts of peers, schools, media, community ecology, and public policy.

ECE 103 – Assessment & Evaluation

Credits: 3

Description: Students will gain knowledge and skills in observing and assessing the growth and behavior of children, focusing on the role of adults in supporting development. The course covers developmentally appropriate practices (DAP), assessment, and documentation. Students will learn and apply observation techniques and are required to spend additional time outside of class observing children in various settings. **Prerequisite:** PSY 235.

ECE 200 – The Professional in Early Childhood Education

Credits: 3

Description: This course covers the history, current programs and practices, and future issues in early childhood education. Topics include professionalism, historic and current issues, types of programs for young children, parent interaction, job opportunities, ethical/legal issues, and community resources. Students will develop a professional philosophy.

ECE 280 – Cooperative Work Experience: Early Childhood Education

Credits: 2

Description: This course offers on-the-job, paid or volunteer experiences that allow students to apply and develop the knowledge, skills, and attitudes learned in the on-campus program. Cooperative work experience is offered for variable credit based on the student's objectives. **Instructor permission is required**, and students must locate a job site for the course. *All students must successfully pass a criminal background check.*

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Economics

ECO 201Z – Principles of Microeconomics

Credits: 4

Description: This course examines how consumers and firms make choices when facing scarce resources and how these choices relate to government policy and market outcomes, such as prices and output. **Recommended:** Successful completion of MTH 070 or above and WRI 121 *placement*

ECO 202Z – Principles of Macroeconomics

Credits: 4

Description: This course examines the aggregate activity of a market economy, including economic growth, inflation, unemployment, and the use of fiscal and monetary policy to address macroeconomic problems. **Recommended:** Successful completion of MTH 070 **or** above **and** WRI 121 *placement*.

Education

EDU 200 – Introduction to Education

Credits: 3

Description: This course examines daily experiences in schools, including personal responses to school situations, interactions with students and personnel, the roles of public schools in American society, and the financial, legal, and administrative implications on instruction.

EDU 280 – Cooperative Work Experience: Education

Credits: 2

Description: This course offers on-the-job, paid or volunteer experiences that allow students to apply and develop the knowledge, skills, and attitudes learned in the on-campus program. Cooperative work experience is offered for variable credit based on the student's objectives. *Instructor permission is required. All students must successfully pass a criminal background check.*

English

ENG 104Z – Introduction to Fiction

Credits: 4

Description: The study of fiction invites us to enter imaginative narratives and confront the challenges of being human. This course provides opportunities for the appreciation of fiction, including deeper awareness of craft and insight into how reading fiction can lead to self-enrichment. Students read a variety of types of fiction from diverse perspectives and eras, and develop their skills in discussion, literary analysis, and critical thinking.

ENG 105Z – Introduction to Drama

Credits: 4

Description: The study of plays exposes us to texts with the power to shock, inspire, enlighten, and delight. This course in drama can be an empowering and transformative journey toward keener engagement with the world, local community, and your intended path. Students read a variety of

types of drama from diverse perspectives and eras, and develop their skills in discussion, literary analysis, and critical thinking.

ENG 106Z – Introduction to Poetry

Credits: 3

Description: The study of poetry invites us to delve into the biggest questions about life and culture alongside the seemingly smallest issues of words and sounds. This course provides opportunities for the appreciation of poetry, including deeper awareness of craft and insight into how reading poetry can lead to self-enrichment. Students read a variety of types of poetry and poetic forms from diverse perspectives and eras, and develop their skills in discussion, literary analysis, and critical thinking.

Environmental Studies

ENV 170 – Environmental Science

Credits: 3

Description: This course examines major environmental questions facing the world today, including population growth, matter and energy resources, ecosystems, pollution, and the relationship between the environment and society. It explores a broad range of environmental issues, including sustainability, the interconnection of the economy with ecosystems, short-term versus long-term gains, and the trade-offs in balancing problems and solutions. **Recommended:** Placement into WRI 095. **Corequisite:** ENV 170L.

ENV 170L – Environmental Science Lab

Credits: 1

Description: Laboratory activities related to ENV 170. **Corequisite:** ENV 170.

Emergency Response and Operations

ERO 100 – Introduction to Emergency Response and Operations

Credits: 3

Description: This course prepares students for a career in emergency services. It includes an overview of emergency medical services, law enforcement services, and firefighter services, as well as career opportunities within these and related fields.

ERO 115 – Crisis Intervention

Credits: 3

Description: An introduction to crisis response for first responders dealing with emergencies or significant incidents. This course assists those helping people in the immediate aftermath of disasters or other tragedies. Students will learn how to reduce initial stress, gather information, debrief, and create an environment of connectedness to empower communities during the recovery process.

Geography

GEO 105 – Physical Geography

Credits: 3

Description: This course introduces students to the geographical study of Earth's physical landscape and processes. Topics include the biosphere, geosphere, atmosphere, and human-environment interactions. Concepts are applied to various regions, including Oregon and the Klamath Basin. *Satisfies lab science requirement.* **Recommended:** WRI 121 *placement.* **Corequisite:** GEO 105L.

GEO 105L – Physical Geography Lab

Credits: 1

Description: Laboratory activities related to GEO 105. **Corequisite:** GEO 105.

GEO 106 – Human Cultural Geography I

Credits: 3

Description: This course introduces students to the science of human geography. Concepts are applied to various Western regions, including the Klamath Basin, the Americas, and Western Europe. **Recommended:** WRI 121 *placement.*

GEO 107 – Human Cultural Geography II

Credits: 3

This course focuses on the study of human cultural geography in developing nations. Regional topics include the Middle East, Asia, Africa, and the Pacific Islands. **Recommended:** WRI 121 *placement.*

Health Studies

HEA 125 – First Aid & Industrial Safety

Credits: 3

Description: This course presents an overview of industrial safety regulations, accident prevention, ergonomics, hazardous materials, first aid, and adult CPR. Successful students will receive a First Aid and Adult CPR card.

HEA 252 – First Aid Basics & Beyond

Credits: 3

Description: This course explores and demonstrates basic and advanced first aid for remote areas. It includes first aid and CPR certification.

Health Information Management

HIM 103 – Introduction to Health Services

Credits: 3

Description: This course provides an introduction to health services, focusing on understanding the healthcare system, including financing, organizations and settings, non-financial resources, evaluation, regulation, and assessment. **Prerequisite:** WRI 095 **or** WRI 121 **or** *placement* into WRI 121.

HIM 104 – Introduction to Health Data and Content I

Credits: 3

Description: This course offers an overview of healthcare delivery systems and health information fields. Topics include the origin and uses of health records, admitting functions, filing and numbering systems, interdepartmental communication, computation of basic census data, micrograph concepts, and electronic data interchange. It also introduces the application of healthcare via a web-based virtual lab.

HIM 105 – Legal & Ethical Aspects of Healthcare

Credits: 3

Description: This course covers the legal basis for medical practice, confidentiality, HIPAA, voluntary and involuntary release of medical information, professional liability, consents for treatment and other procedures, and medical-ethical issues.

Health Wellness

HPE 225 – Nutrition

Credits: 3

Description: This course studies food and nutrition, including their relationship to health and disease. Students learn about basic nutrition, nutrient needs, how nutrients function in the body, energy balance, and diet planning for various medical conditions. It provides an in-depth look at current topics and the American diet.

HPE 295 – Health & Fitness for Life

Credits: 3

Description: This course explores the role of wellness, physical fitness, stress, nutrition, and cardiovascular health in promoting an individual's health and well-being. It includes fitness testing and a fitness lab.

History

HST 101 – Western Civilization I: Ancient World to 1000

Credits: 3

Description: This course studies the ancient civilizations of Egypt, Mesopotamia, Greece, and Rome. Topics also include the development of early Christianity and early Medieval Europe. *HST 101, 102, and 103 may be taken out of sequence.* **Recommended:** WRI 121 placement.

HST 102 – Western Civilization II: 1000 to 1800

Credits: 3

Description: This course studies early Modern Europe, including the Renaissance, Reformation, Scientific Revolution, and the French Revolution. *HST 101, 102, and 103 may be taken out of sequence.* **Recommended:** WRI 121 placement.

HST 103 – Western Civilization III: 1800 to Present

Credits: 3

Description: This course studies Europe in the 19th and 20th centuries. Topics include the Industrial Revolution, nationalism, socialism, the two world wars, the Russian Revolution, Nazism, and globalization. *HST 101, 102, and 103 may be taken out of sequence.* **Recommended:** WRI 121 placement.

HST 201 – United States History I: Colonial Period to 1840

Credits: 3

Description: This course surveys North American history from the Age of Exploration to 1840, covering political, social, and economic trends and events. *HST 201, 202, and 203 may be taken out of sequence.* **Recommended:** WRI 121 placement.

HST 202 – United States History II: 1840 to 1914

Credits: 3

This course surveys the history of the United States from 1840 to 1914, covering political, social, and economic trends and events. *HST 201, 202, and 203 may be taken out of sequence.*

Recommended: WRI 121 placement.

HST 203 – United States History III: 1914 to Present

Credits: 3

Description: This course surveys the history of the United States from 1914 to the present, covering political, social, and economic trends and events. *HST 201, 202, and 203 may be taken out of sequence.*

Recommended: WRI 121 placement.

Languages

GER 101 – First Year German I

Credits: 4

Description: Emphasizes active communication in beginning German. Includes listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture.

GER 102 – First Year German II

Credits: 4

Description: Continues the work of GER 101. Emphasizes active communication in German. Includes listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture.

Prerequisite: GER 101.

GER 103 – First Year German III

Credits: 4

Description: Continues the work of GER 102. Emphasizes active communication in German. Includes listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture

Prerequisite: GER 102.

GER 201 – Second Year German I

Credits: 4

Description: Continues the work of first-year German, reviewing, expanding, and perfecting pronunciation, structure, and vocabulary for the purpose of active communication. Includes practice in reading and writing. **Prerequisite:** GER 103.

GER 202 – Second Year German II

Credits: 4

Description: Continues to expand structure and vocabulary for the purpose of active communication. Includes practice in reading and writing. **Prerequisite:** GER 201.

GER 203 – Second Year German III

Credits: 4

Description: Continues to expand structure and vocabulary for the purpose of active communication. Includes practice in reading and writing. **Prerequisite:** GER 202.

SPA 101 – First Year Spanish I

Credits: 4

Description: First in a three-course series designed to develop basic communication skills in oral and written Spanish. Introduces learners to the rich culture of the Spanish-speaking world, including listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture.

SPA 102 – First Year Spanish II

Credits: 4

Second in a three-course series designed to develop basic communication skills in oral and written Spanish. Introduces learners to the rich culture of the Spanish-speaking world, including listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture. **Prerequisite:** SPA 101.

SPA 103 – First Year Spanish III

Credits: 4

Description: Third in a three-course series designed to develop basic communication skills in oral and written Spanish. Introduces learners to the rich culture of the Spanish-speaking world, including listening, speaking, reading, writing, pronunciation, structure, vocabulary, and culture. **Prerequisite:** SPA 102.

SPA 201 – Second Year Spanish I

Credits: 4

Description: Reviews and expands the use of basic vocabulary, structural patterns, indicative tenses, and commands from first-year college Spanish. Listen, speak, write, and read in Spanish. **Prerequisite:** SPA 103.

SPA 202 – Second Year Spanish II

Credits: 4

Description: Practice and expand vocabulary and structures. Emphasizes subjunctive tenses to express personal feelings, doubts, and opinions in Spanish. **Prerequisite:** SPA 201.

SPA 203 – Second Year Spanish III

Credits: 4

Description: Practice and expand vocabulary and subjunctive patterns. Listen, speak, read, write, and begin to sense the culture in the idiom. **Prerequisite:** SPA 202.

Manufacturing Engineering Technology

MET 102 – Basic Engineering Materials

Credits: 3

Description: Introduces materials and metallurgy, including structure, selection, and use. Surveys materials used in industry and their physical and chemical attributes as they relate to properties, corrosion, and engineering applications. Major consideration is given to metal alloys. Introduction to polymers, ceramics, and composites is included. **Recommended:** WLD 101.

MET 241 – CAD for Mechanical Design I

Credits: 2

Description: Instruction and practice of AutoCAD (mechanical) software in a 2D environment. Utilizes 2D software practice to develop into an apprentice-level wireframe computer-aided design (CAD) technician. **Corequisite:** MET 241L.

MET 241L – CAD for Mechanical Design I Lab

Credits: 1

Description: Laboratory activities related to MET 241. **Corequisite:** MET 241.

MET 242 – CAD for Mechanical Design II

Credits: 2

Description: Instruction and practice of AutoCAD (mechanical) software in a 3D environment. Utilizes 3D software practice to develop into an apprentice-level computer-aided design (CAD) technician. **Prerequisite:** MET 241. **Corequisite:** MET 242L.

MET 242L – CAD for Mechanical Design II Lab

Credits: 1

Description: Laboratory activities related to MET 242. **Corequisite:** MET 242.

Medical

MDA 100 – Exploring Health Careers

Credits: 1

Description: This course explores various health careers, such as nursing, physical therapy, dental hygiene, and emergency medical services. Guest speakers from different health career areas will provide students with an understanding of college requirements, performance skill levels, salaries, and job opportunities.

MDA 101 – Medical Terminology I

Credits: 3

Description: This course covers medical terminology, including prefixes, suffixes, word roots, and abbreviations by body system.

MDA 102 – Medical Terminology II

Credits: 3

Description: This course continues the study of medical terminology, including prefixes, suffixes, word roots, and abbreviations by body system. **Prerequisite:** MDA 101 with a **grade** of “C” **or** better.

Multimedia

MMT 239 – Digital Drawing/Adobe Illustrator

Credits: 3

Description: This course introduces the basics of digital illustration, working with both vector graphics and photo editing. It applies tablet technology and screen-based drawing to create digitized graphic elements such as image headers, sidebars, banners, logos, and other commonly used design elements. Various software platforms are used, with a focus on Adobe Illustrator.

Recommended: 131. **Corequisite:** MMT 239L.

MMT 239L – Digital Drawing/Adobe Illustrator Lab

Credits: 1

Description: Laboratory activities related to MMT 239. **Corequisite:** MMT 239.

MMT 240 – Digital Photography & Photoshop

Credits: 3

Description: Students learn the basics of digital photography, composition, and image manipulation using Adobe Photoshop. The course covers competent compact digital and DSLR camera handling techniques, exposure control, digital management, image editing, printing, and presentation. It examines important photographic themes, lighting, and composition. Photoshop is used for acquiring, preparing, manipulating, storing, outputting, and displaying digital images. *Requires access to a camera with manual exposure controls; DSLR cameras are preferred.* **Corequisite:** MMT 240L.

MMT 240L – Digital Photography & Photoshop Lab

Credits: 1

Description: Laboratory activities related to MMT 240. **Corequisite:** MMT 240.

MMT 241 – Graphic Design for the Web

Credits: 3

Description: This intermediate-level digital design course enables students to create web-based graphic and media solutions. Primary software programs include Adobe Illustrator and Photoshop. Students build upon and apply previously learned skills specific to business marketing and digital communications, creating digital art assets such as logos, buttons, headers, splash screens, infographics, and various design and editing techniques for vector graphics, bitmap images, and photos. **Recommended:** Completion of MMT 239 **and** MMT 240. **Corequisite:** MMT 241L.

MMT 241L – Graphic Design for the Web Lab

Credits: 1

Description: Laboratory activities related to MMT 241. **Corequisite:** MMT 241.

MMT 260 – Video Production I

Credits: 3

Description: This course introduces digital video production, focusing on project planning, basic camera functions, shooting techniques, lighting principles, and audio recording fundamentals. It includes preproduction issues, production terminology, and evaluation of industry etiquette. **Recommended:** MMT 240. **Corequisite:** MMT 260L.

MMT 260L – Video Production I Lab

Credits: 1

Description: Laboratory activities related to MMT 260. **Corequisite:** MMT 260.

MMT 261 – Advanced Video Editing

Credits: 3

Description: This course continues video production at an intermediate level, including the creation of short-form videos in multiple genres. Students apply storytelling and narrative techniques to produce interviews, product demos, how-to videos, YouTube videos, webcam videos, and creative storytelling videos. Production equipment includes digital cameras, lighting, microphones, backdrops, and various editing techniques. **Prerequisite:** MMT 260. **Corequisite:** MMT 261L.

MMT 261L – Advanced Video Editing Lab

Credits: 1

Description: Laboratory activities related to MMT 261. **Corequisite:** MMT 261.

MMT 296 – Community Project-Based Learning

Credits: 3

Description: This course covers special topics, activities, or projects in digital media not usually covered in depth in other MMT courses. It is offered for 3 credits based on the student's accomplishments and community and project-based opportunities. *Instructor permission is required prior to registration.*

Mathematics

MTH 105Z – Math in Society

Credits: 4

Description: An exploration of present-day applications of mathematics focused on developing numeracy. Major topics include quantitative reasoning and problem-solving strategies, probabilities and statistics, and financial mathematics, weighted approximately equally. This course emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology.

MTH 111Z – Precalculus I: Functions

Credits: 4

Description: A course primarily designed for students preparing for trigonometry or calculus. This course focuses on functions and their properties, including polynomial, rational, exponential, logarithmic, piecewise-defined, and inverse functions. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with

other disciplines, and the appropriate use of present-day technology. **Prerequisite:** MTH 095 with a **grade of "C" or better** **or** *placement* into MTH 111.

MTH 112Z – Precalculus II: Trigonometry

Credits: 4

Description: A course primarily designed for students preparing for calculus and related disciplines. This course explores trigonometric functions and their applications, as well as the language and measurement of angles, triangles, circles, and vectors. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology. **Prerequisite:** MTH 111 with a **grade of "C" or better**.

STA 243Z – Elementary Statistics I

Credits: 4

Description: A first course in statistics focusing on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Technology will be **used when appropriate**. **Prerequisite:** MTH 095 with a **grade of "C" or better**, MTH 105 with a **grade of "C" or better**, MTH 111 with a **grade of "C" or better**, **or** *placement* into MTH 111.

MTH 244 – Statistics II

Credits: 4

Description: Covers inferential statistics with an emphasis on applications. Topics include estimation of proportions and means for a population, inferences from chi-square distributions, one-way and two-way analysis of variance (ANOVA), the F distribution, time series analysis, regression and correlation, and hypothesis testing. Working knowledge of Excel required. **Prerequisite:** MTH243 **or** STA243Z with a **grade of "C" or better**.

Office Systems

OST 131 – 10-key Calculators

Credits: 1

Description: Students will learn techniques to develop 10-key skills by touch. This course also covers the use of electronic printing calculators to solve simple business and mathematical problems.

Physics

PHY 101 – Fundamentals of Physics I

Credits: 3

Description: A laboratory science course designed for non-science majors. This is the first term of a three-term series. It is a conceptual study of physics, including an introduction to the scientific method, study of motion, mechanics, vectors, energy, simple machines, satellite motion, and atomic structure. **Prerequisites:** MTH 065, MTH 070, MTH 095, MTH 111, **or** *placement* into MTH 070, MTH 095, **or** MTH 111, **and** WRI 095 **or** WRI 121, **or** *placement* into WRI 121. **Corequisite:** PHY 101L.

PHY 101L – Fundamentals of Physics I Lab

Credits: 1

Description: Laboratory activities related to PHY 101. **Corequisite:** PHY 101.

PHY 102 – Fundamentals of Physics II

Credits: 3

Description: A laboratory science course designed for non-science majors. This is the second term of a three-term series. It is a conceptual study of physics, including the properties of matter and thermodynamics. **Prerequisites:** MTH 065, MTH 070, MTH 095, MTH 111, **or** placement into MTH 070, MTH 095, **or** MTH 111, **and** WRI 095 **or** WRI 121, **or** placement into WRI 121. **Corequisite:** PHY 102L.

PHY 102L – Fundamentals of Physics II Lab

Credits: 1

Description: Laboratory activities related to PHY 102. **Corequisite:** PHY 102.

PHY 103 – Fundamentals of Physics III

Credits: 3

Description: A laboratory science course designed for non-science majors. This is the third term of a three-term series. It is a conceptual study of physics, including waves and sound, electricity and magnetism, and light and optics. **Prerequisites:** MTH 065, MTH 070, MTH 095, MTH 111, **or** placement into MTH 070, MTH 095, **or** MTH 111, **and** WRI 095 **or** WRI 121, **or** placement into WRI 121. **Corequisite:** PHY 103L.

PHY 103L – Fundamentals of Physics III Lab

Credits: 1

Description: Laboratory activities related to PHY 103. **Corequisite:** PHY 103.

PHY 201 – General Physics I (Algebra-based)

Credits: 4

Description: Introductory physics (algebra-based) for science majors, pre-medical, pre-dental, pre-chiropractic, and pre-physical therapy students. Topics include mechanics, statics, forces and motion, energy, collisions, circular motion, and rotational dynamics. **Prerequisite:** MTH 111. MTH 111 can be taken concurrently **with** PHY 201. **Corequisite:** PHY 201L.

PHY 201L – General Physics I Lab

Credits: 1

Description: Laboratory activities related to PHY 201. **Corequisite:** PHY 201.

PHY 202 – General Physics II (Algebra-based)

Credits: 4

Description: Topics include the mechanical properties of matter, heat, waves, sound, and light. Algebra-based physics. **Prerequisite:** PHY 201. **Corequisite:** PHY 202L.

PHY 202L – General Physics II Lab

Credits: 1

Description: Laboratory activities related to PHY 202. **Corequisite:** PHY 202.

PHY 203 – General Physics III (Algebra-based)

Credits: 4

Description: Topics include electricity, magnetism, and radioactivity. Algebra-based physics. **Prerequisite:** PHY 202. **Corequisite:** PHY 203L.

PHY 203L – General Physics III Lab

Credits: 1

Description: Laboratory activities related to PHY 203. **Corequisite:** PHY 203.

Political Science

POL 201 – Introduction to U.S. Government

Credits: 3

Description: This course covers the basic concepts and principles of the American political system. **Recommended:** WRI 121 *placement*.

POL 203 – State & Local Government

Credits: 3

Description: This course examines state and local government policy formulation and outcomes on issues ranging from taxation to prisons, and education to environmental concerns. It focuses on Oregon state and local politics. **Recommended:** WRI 121 *placement*.

Psychology

PSY 101 – Psychology & Human Relations

Credits: 3

Description: This course focuses on practical and personal applications of psychological principles. It encourages the application of psychological principles to daily living and human interactions such as work, leisure, school, and relationships. This course is designed for students who are not majoring in psychology and transfers as a general elective.

PSY 201Z – Introduction to Psychology I

Credits: 4

Description: This course introduces the science and application of psychology, emphasizing psychological concepts, theories, and principles related to research methods, behavioral neuroscience, consciousness, sensation/perception, learning, memory, thinking, intelligence, and related topics. **Prerequisite:** WRI 121.

PSY 202Z – Introduction to Psychology II

Credits: 4

Description: This course continues the introduction to the science and application of psychology, emphasizing psychological concepts, theories, and principles related to personality, social psychology, health and well-being, motivation and emotion, disorders, therapies, lifespan development, and related topics. **Recommended:** PSY 201Z. **Prerequisite:** WRI 121.

PSY 235 – Human Growth & Development I

Credits: 3

Description: A biosocial study of human development from conception to adolescence. This course discusses the biological and social processes affecting the developing child, including cognition, personality, emotion, and social aspects. Applications to healthcare, family, and education are discussed. **Recommended:** Previous coursework in psychology.

PSY 236 – Human Growth & Development II

Credits: 3

Description: A psychological study of the continuing development of the human being from adolescence through old age and death. This course focuses on the social and healthcare issues of adulthood, with applications to healthcare, family, and social policy. **Prerequisite:** PSY 235.

Sociology

SOC 204Z – Introduction to Sociology

Credits: 4

Description: This course introduces the central concepts, theories, and methods that define sociological approaches to investigating the social forces that shape our lives. Topics may include social structure, culture, socialization, race, class, gender, sexuality, and inequality.

SOC 205Z – Social Change and Institutions

Credits: 4

Description: This course provides a sociological analysis of social institutions such as family, education, healthcare, the economy, and the state. It includes an examination of connections among institutions and their impact on patterns of inequality and individual outcomes. The course also examines the forces and dynamics behind social change, such as social movements, culture, economic forces, technologies, and the environment.

Speech

COM 111Z – Public Speaking

Credits: 4

Description: This course emphasizes developing communication skills by examining and demonstrating how self-awareness, audience, content, and occasion influence the creation and delivery of speeches and presentations. **Prerequisite:** WRI 121.

Welding

WLD 101 – Welding Processes & Applications

Credits: 3

Description: This course introduces welding, covering flat and horizontal positions with oxygen-acetylene welding (OAW), stick (SMAW), MIG (GMAW) on mild steel, TIG (GTAW) on aluminum, safety, setup, and shutdown.

WLD 114 – Shielded Metal Arc Welding: Mild Steel I

Credits: 3

Description: This course develops knowledge and manipulative skills in the use of E7018 mild steel electrodes when performing various welds in the flat, horizontal, and vertical positions. **Prerequisite:** WLD 101.

WLD 115 – Shielded Metal Arc Welding: Mild Steel II

Credits: 3

Description: This course develops intermediate and advanced skills in shielded metal arc welding for success in the metal fabrication industry. It includes preparation of joints for proper setup and completion using 1/4 inch and thicker mild steel. **Prerequisite:** WLD 114.

Writing

WRI 121Z – Composition I

Credits: 4

Description: This course engages students in the study and practice of critical thinking, reading, and writing. It focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes. **Prerequisite:** WRI 095 with a **grade** of "C" **or** better **or** placement into WRI 121.