

Klamath Community College
2021-2022
College Now Program
Course Descriptions

ADS102 – Drug Use and Addiction

3 credits

An examination of commonly abused drugs with emphasis on the physical, psychological, and behavioral consequences of these drugs. Includes drug chemistry, physiological effects of drug use upon the body, and specific treatment formats and techniques. Recommended: WRI 121 placement.

ART115 – Basic Design: 2 D-Black and White

3 credits

Studio course introducing 2-D black-and-white foundations centered on creative problem solving. Establishes critical skills and personal artistic vision. Investigates a broad range of materials, techniques and projects to explore black-and-white design concepts with reference to historical and contemporary perspectives.

ART131 – Intro to Drawing

3 credits

A studio experience exploring basic drawing techniques, materials, and concepts while addressing historical and contemporary issues. A conceptual framework for critical analysis is presented along with basic art theory. College-level reading comprehension is recommended. You will be expected to purchase materials for this course based on a list provided by the instructor. Material costs will be approximately \$80. May not be taken concurrently with ART 231.

ART211 – Modern Art History – 19th Century Art in Europe

3 credits

The 19th century saw the beginning of the modern world and modern societies in Europe. Course examines and analyzes the visual arts, beginning with the French Revolution in 1789, to reveal the processes that led to our current cultural life. Recommended: WRI 121.

ART213 – Modern Art History – Art Since 1945

3 credits

World War II ended the supremacy of Europe in the visual art world and focused attention on America. Course examines and analyzes art since 1945 to explore the ideas behind it, reveal our culture and values, and to gain a greater understanding and appreciation of contemporary art. Recommended: WRI 121 placement.

ART265 – Art for Teachers

3 credits

Students will gain experience with a variety of art materials appropriate for use in the classroom. This course addresses the challenge of learning the “how- to” of art while preparing to teach the same to children.

BIO101 – Biology I

3 credits

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.

BIO101L – Biology I Lab

1 credit

Laboratory activities relating to BIO 101. Corequisite: BIO 101.

BIO103 – Biology III

3 credits

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.

BIO103L – Biology III Lab

1 credit

Laboratory activities relating to BIO 103. Corequisite: BIO 103.

BIO112 – Integrated Chemistry and Cell Biology for Health Occupations

3 credits

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: Placement into MTH 070 or higher. Corequisite: BIO 112L.

BIO112L - Integrated Chemistry and Cell Biology for Health Occupations

1 credit

Laboratory activities relating to BIO 112. Corequisite: BIO 112.

BIO211 – Principles of Biology 1 (Preprofessional)

4 credits

First part of a three-term sequence for students majoring in biology and the sciences, including pre-medical, pre-dental, pre-veterinarian, chiropractic, pharmacy, and related fields. Includes introduction to science, biochemistry, metabolism, the cell, molecular biology, and genetics. Prerequisites: MTH 095 or MTH 111 or placement into MTH 111 and WRI 095 or WRI 121 or placement into WRI 121. Corequisite: BIO 211L.

BIO211L - Principles of Biology 1 Lab

1 credit

Laboratory activities relating to BIO 211. Corequisite: BIO 211.

BIO212 - Principles of Biology 2 (Preprofessional)

4 credits

Second part of a three-term sequence designed for students majoring in biology and the sciences, including pre-medical, pre-dental, pre-veterinarian, chiropractic, pharmacy, and related fields. Includes life cycles, reproduction, inheritance, evolution, and ecology. Prerequisites: MTH 095 or MTH 111 or placement into MTH 111 and WRI 095 or WRI 121 or placement into WRI 121. Corequisite: BIO 212L.

BIO212L - Principles of Biology 2 Lab

1 credit

Laboratory activities relating to BIO 212. Corequisite: BIO 212.

BIO213 Principles of Biology 3

4 credits

Third part of a three-term sequence designed for students majoring in biology and the sciences, including pre-medical, pre-dental, pre-veterinarian, chiropractic, pharmacy, and related fields. Includes form and function of plants, major invertebrate phyla, and general vertebrate morphology and physiology. Corequisite: BIO 213L.

BIO213L Principles of Biology 3 Lab

1 credit

Laboratory activities relating to BIO 213. Corequisite: BIO 213.

BIO231 – Anatomy & Physiology I

3 credits

First term of a three-term sequence covering chemistry, cells, tissues, and the skin, skeletal, and muscular systems. Laboratory experiences will be used to elaborate on concepts presented in lecture. Recommended: High school biology and chemistry in the past five to seven years, BIO 101 and BIO 103. 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 231L.

BIO231 – Anatomy & Physiology I Lab

1 credit

Laboratory activities relating to BIO 231. Corequisite: BIO 231.

BIO240 – Forensic DNA Biology

4 credits

Lecture of lab-centered course focusing on forensic DNA analysis. Emphasis placed on analysis of PCR products resolved via capillary electrophoresis - the STRs loci of CODIS and the SNPs of mtDNA for the assessment of identity, ethnic origin, and maternal lineage. Recommended: Successful completion of a one-year biology course within the last three years. Prerequisites: MTH 070 or MTH 095 or MTH 111 or placement into MTH 095 or MTH 111 and WRI 121.

BIO270 – Ecosystems

4 credits

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.

BUS101 – Intro to Business

4 credits

Survey course exploring historical, social, political, economic, and legal environments of business. Interrelationships of the functional areas of management, finance, marketing, accounting, and international business are introduced. The class will stress fundamental concepts, terminology, ethics, and career opportunities.

BUS111 – Intro to Accounting

4 credits

Presents double-entry accounting as related to service businesses. Provides an understanding of the accounting cycle, debits and credits, and financial statements for these businesses. Also introduces journalizing and posting to the general ledger.

BUS177 – Payroll Accounting

3 credits

Provides the fundamental skills needed to prepare a business payroll. Introduces payroll and personnel recordkeeping, calculation of pay, payroll journalizing, regulations covering Social Security, withholding, and unemployment. Prerequisites: BUS 111 or BUS 211 with a grade of "C" or better and CAS 170 with a grade of "C" or better.

BUS178 – Customer Service Fundamentals

1 credit

This course focuses on the skills necessary to deliver exceptional customer service in a retail or service business or organization. Topics will include developing communication skills and an attitude of service, enhancing customer relationships, dealing with difficult customers, active listening and problem solving to address customer needs, and strategies to remain self-motivated in the service industry.

BUS206 – Management Fundamentals

3 credits

A study of the basic management and organizational principles within business entities. Introduces the 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.

BUS211 – Principles of Accounting

4 credits

Introduces financial accounting theory, including the accounting cycle, analysis and recording of transactions, and reporting financial information in accordance with generally accepted accounting principles. Prerequisite: BUS 111 with a grade of “C” or better.

BUS213 – Managerial Accounting

4 credits

Covers managerial accounting, including the cost/volume/profit relationship, manufacturing costs, cost decisions, management planning, budgeting, and responsibility accounting. Prerequisite: BUS 211 with grade “C” or better.

BUS214 Business Communication

3 credits

This course covers concepts and skills necessary to communicate in today’s constantly changing business environment. Students will 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. *Instructor approval may be obtained if a student has not met the WRI 121 prerequisite.* Prerequisites: CAS 133 and WRI 121.

BUS218 – Personal Finance

3 credits

Studies the role of the consumer in the economy and addresses problems of financing individual and family needs, including budgeting, banking relationships, charge

accounts, installment buying, insurance, wills, real estate investing, and personal taxes. Recommended: Placement into MTH 060 or MTH 070.

BUS224 – Human Resource Management

3 credits

Explores the management of human behavior in the workplace, including employment, employee development, performance appraisals, wage and salary administration, employee rights, discipline and due process, and labor-management relations. Prerequisite: WRI 121.

BUS226 – Business Law I

3 credits

This course introduces the legal environment of business. Focus topics include regulation, court jurisdiction, forms of business organization, the obligations arising from business relationships and transactions, and the liabilities arising from business practices. Prerequisite: WRI 121.

BUS228 – Computer Accounting Applications

3 credits

Covers use of integrated, computer-based accounting programs. Includes general ledger, accounts receivable, accounts payable, and payroll. Prerequisite: BUS 211 with a grade of “C” or better.

BUS233 – Social Media Marketing

3 credits

This course explores principles and technologies related to Internet marketing as part of an organization’s overall marketing strategy. Common social media tools such as Facebook, Twitter, YouTube, and others will be utilized as resources to connect with customers and improve business performance.

BUS249 – Retailing

3 credits

Covers the selection of target markets and retail strategies, including store planning techniques used by retailers. Includes discussion of the changing retailing environment and the impact of government regulations.

BUS261 – Consumer Behavior

3 credits

This course explores the factors that impact consumer buying behavior and the process that consumers use to make purchasing decisions. Psychological and sociological principles related to consumer behavior and the decision-making process are explored and applied directly to marketing strategy and tools used in a typical retail environment.

BUS285 – Human Relations in Organizations

3 credits

This course covers human interactions within organizations, with a particular focus on communication and small group dynamics. Human relations techniques that build better employer/employee relationships are explored, and interpersonal relations both on the job and in everyday life are addressed.

CAS122 – Keyboarding for Speed & Accuracy

3 credits

Students will refine keyboarding technique, increase speed, and improve accuracy through corrective practice. Prerequisite: CAS 121 and/or 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.

CAS133 – Intro to Computing Skills Lecture

3 credits

Provides hands-on experience with Microsoft Office software fundamentals, including Word, PowerPoint, Excel, and Access. Includes concepts of computer operations and literacy as well as insight into the broad impact of computers on today's society. Students should have a basic working knowledge of general computer use prior to enrollment. Recommended: WRI 095 and keyboarding by touch. Corequisite: CAS 133L.

CAS133L – Intro to Computing Skills Lab

1 credit

Laboratory activities relating to CAS 133. Corequisite: CAS 133.

CAS170 – Spreadsheets

3 credits

This in-depth, hands-on course will present beginning and intermediate spreadsheet concepts. Students will use Excel efficiently to design and create accurate professional worksheets for use in business. Recommended: Successful completion of MTH 020 or higher. Prerequisite: CAS 133.

CAS216 – Word Processing

3 credits

Students will acquire knowledge and skills while preparing and editing word-processed documents. Recommended: Successful completion of CAS 133, and 25 wpm keyboarding proficiency.

CAS245 – Office Systems & Procedures

3 credits

This course introduces students to a wide variety of office procedures and skills needed to be efficient in today's office environment. Students will draw upon related learning in previous courses as they participate in team and individual office skills projects with a focus on application software. Recommended: Successful completion of CAS 170 and CAS 216. Corequisite: CAS 245L.

CAS245L – Office Systems & Procedures

1 credit

Laboratory activities relating to CAS 245. Corequisite: CAS 245.

CGS100 – College Survival & Success

3 credits

The purpose of this course is to help the student become a more effective learner. This course will cover college terms and information, class choice, degree requirements, etc. Helps new or returning students make personal and social adjustments for college success.

CHE104 – General Chemistry I

4 credits

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

CHE104L – General Chemistry I Lab

1 credit

Laboratory activities relating to CHE 104. Corequisite: CHE 104.

CIS111 – Digital Game Development I

3 credits

Learn how to make high quality 2D and 3D video games using Unity. Students will learn game development design principles and practices. Learn how to create, acquire, modify and integrate assets such as sounds, music and 3D models all while learning how to build interactive 3D worlds. Corequisite: CIS 111L.

CIS111L – Digital Game Development I Lab

1 credit

Laboratory activities relating to CIS 111. Corequisite: CIS 111.

CIS145 – Hardware Installation Support

3 credits

The course covers the fundamentals of computer hardware. Workplace safety and hardware handling procedures will be covered. Students will learn to identify, test, and install motherboards, memory components, power supplies, and peripheral devices. Corequisite: CIS 145L.

CIS145L - Hardware Installation Support

1 credit

Laboratory activities relating to CIS 145. Corequisite: CIS 145.

CIS146 – Software Installation Support

3 credits

This course covers the fundamentals of computer software. Topics covered include operating systems, virtualization, disk and file management, software security, and mobile device and printer software. Students will learn to procedures to install, configure, and backup software. Corequisite: CIS 146L.

CIS146L – Software Installation Support Lab

1 credit

Laboratory activities relating to CIS 146. Corequisite: CIS 146.

CIS151 – Network I

3 credits

This course introduces the basic concepts and characteristics of network systems. Students will learn the common network protocols and standards, the fundamentals of IP addressing, how to connect network hardware, and the role of network software. Coursework will include designing and building a small office/home office (SOHO) system. Corequisite: CIS 151L.

CIS151L – Network I

3 credits

Laboratory activities relating to CIS 151. Corequisite: CIS 151.

CIS152 – Network II

3 credits

This course covers network communication over the Internet and wireless technology. Students will learn how to configure a wireless network, to use remote access technology, to configure network security, and to make routine system checks and upgrades. Cloud computing and wide area networks (WAN) will be covered. Coursework will include designing and building a small-scale local area network (LAN). Corequisite: CIS 152L.

CIS152 L– Network II

1 credit

Laboratory activities relating to CIS 152. Corequisite: CIS 152.

CIS196 – Intro to Web Page Design

3 credits

This course builds upon basic manual coding skills from CIS 195 and teaches how to develop web documents using new elements, attributes and selectors introduced in HTML5 (Hypertext Markup Language version 5) and CSS3 (Cascading Style Sheets version 3). Students learn to create web pages using the HTML5 structure elements, embed video and audio, and develop cross-browser user-input forms. Use CSS3 to position and format content, and to create effects such as transformations, transitions and animation. Students also learn basic JavaScript coding, and use HTML5 APIs (application programming interfaces) to extend the functionality of web pages with modern features such as geolocation, drag-and-drop, canvas and offline web applications. Corequisite: CIS 196L.

CIS196L - Intro to Web Page Design Lab

1 credit

Laboratory activities relating to CIS 196. Corequisite: CIS 196.

CIS206 – Intro to Information Technology

3 credits

This course introduces the key components found in modern business information systems, including both the major hardware components of today's network and primary categories of software applications used to support knowledge workers. Data resource management concepts are developed to provide the student with a high-level picture of how the elements of an information system work together to solve problems and support business opportunities. Business ethics relating to the use of information systems is explored for local and global firms. Prerequisite: CAS 133. Corequisite: CIS 206L.

CIS206L– Intro to Information Technology Lab

1 credit

Laboratory activities relating to CIS 206. Corequisite: CIS 206.

This course builds upon basic manual coding skills from CIS 195 and teaches how to develop web documents using new elements, attributes and selectors introduced in HTML5 (Hypertext Markup Language version 5) and CSS3 (Cascading Style Sheets version 3). Students learn to create web pages using the HTML5 structure elements, embed video and audio, and develop cross-browser user-input forms. Use CSS3 to position and format content, and to create effects such as transformations, transitions and animation. Students also learn basic JavaScript coding, and use HTML5 APIs

(application programming interfaces) to extend the functionality of web pages with modern features such as geolocation, drag-and-drop, canvas and offline web applications. Corequisite: CIS 196L.

CJA101 – Intro to Criminal Justice

3 credits

This course is designed to help students become aware of career and education options in human services and criminal justice. Students attending this course will become familiar with the educational requirements, lifestyle considerations, application processes, training, certification requirements, and career opportunities in the fields of criminal justice and human services. 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.

CJA111 – Intro to Criminal Justice – Police

3 credits

Examines the American criminal justice system and its origins with particular attention to the police. Provides an overview of the entire criminal justice process and reviews contemporary practices such as community policing.

CJA112 - Intro to Criminal Justice – Courts

3 credits

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 of the United States.

CJA113 – Intro to Criminal Justice - Corrections

ECE101 – Child, Family, Community

3 credits

The study of influences on children and families which impact child and family behaviors, values, attitudes, beliefs, and morals. Topics include parenting patterns, cultural, religious and socioeconomic influences, peer, school, media impacts, community ecology, and public policy.

ECE103 – Assessment & Evaluation

3 credits

Students will develop knowledge and skills in observing and assessing growth and behavior of children and the adult roles in supporting children's development. The student will examine the importance of developmentally appropriate practices, DAP, assessment and documentation. Students will learn and apply observation techniques. Students are required to spend additional time outside of class observing children in individual and group settings. Prerequisite: PSY 235.

ECE122 - Environments and Curriculum in Early Care and Ed

4 credits

An introduction to an overview of creating physical and social environments and curriculum for children six weeks to six years in home or center-based programs. Course covers theories and relationships between physical and social space, activities, experiences, and materials. Students are introduced to the use of developmentally and culturally appropriate practices in planning, selecting, and evaluating environments and curriculum for young children.

ECE200 – The Professional in Early Childhood Education

3 credits

History, current programs and practices, and future issues of early-childhood education. Includes professionalism, historic and current issues, types of programs for young children, parent interaction, job opportunities, ethical/legal issues and community resources. Develops a professional philosophy.

ECE280 – Cooperative Work Experience: Early Childhood

2 credits

On-the-job, paid or volunteer, experiences which allow for the application and development of knowledge, skills, and attitudes learned through the on-campus program so that the student can learn all aspects of the industry. Cooperative work experience is offered for variable credit based on the student's objectives. Instructor permission is required and the student must locate a job site for the course. All students must successfully pass a criminal background check.

ECO201 – Principles of Economics: Microeconomics

3 credits

This course covers principles of rational choice, price determination, market resource allocation, competition, production, market systems, and the role of government in the economy. It also covers individual units in the economy. Recommended: Successful completion of MTH 070 or above and WRI 121 placement.

ECO202 – Principles of Economics: Macroeconomics

3 credits

This course covers principles of national income, aggregate supply and demand, employment, monetary policy, recession, inflation, and macroeconomic stabilization. Basic principles of international trade and finance are also developed. Recommended: Successful completion of MTH 070 or above and WRI 121 placement.

EDU133 – Computers in Education

3 credits

Designed to train students on the preparation and use of instructional media and materials commonly found in the public schools. Includes an introduction to computers and other new learning technologies. Helps students develop an understanding of the place and importance of these instructional tools in the learning process and how to design lessons using these materials. Corequisite: EDU 133L.

EDU133L – Computers in Education Lab

1 credit

Laboratory activities relating to EDU 133. Corequisite: EDU 133.

EDU200 – Intro to Education

3 credits

Examines daily experiences in the schools. Includes discussing personal responses to school situations, students, personnel, the roles of public schools in American society and financial, legal, and administrative implications on instruction.

ENG104 – Intro to Literature (Fiction)

3 credits

Explores fiction as an art form that provokes thought and challenges social norms. Examines fictional works, such as short stories and novels, from diverse cultures and historical periods; considers these works as expressions of human experience. Corequisite: WRI 121.

ENG213 – Latin American Literature

3 credits

Studies various Latin American literatures, such as works of Hispanic, indigenous, and Afro-Caribbean origin. All readings are in English. Recommended: 100-level reading. Prerequisite: WRI 121.

ENG240 – Intro to Native American Literature

3 credits

Introduction to Native American Studies and oral and written composition by Native Americans from both before and after contact with Euro-Americans. Provides historical, geographical, political, social, religious, linguistic, aesthetic, and ethno poetic contexts for understanding the various tribal literatures studied. Recommended: Some background or experience in literature is desirable. Prerequisite: WRI 121.

ENG261 – Literature of Science Fiction

3 credits

Introduces science fiction. Explores historical and contemporary themes. Covers a variety of authors and examines the art and function of this genre. Recommended: 100-level reading. Prerequisite: WRI 121.

ENV170 – Environmental Science Lecture

3 credits

Examines major environmental questions facing the world today. Includes population growth, matter and energy resources, ecosystems, pollution, and environment and society. Explores a broad range of environmental issues including sustainability, the interconnection of the economy with ecosystem, short-term versus long-term gains, and the trade-offs in balancing problems and solutions. Recommended: Placement into WRI 095. Corequisite: ENV 170L.

ENV170 – Environmental Science Lab

1 credit

Laboratory activities relating to ENV 170. Corequisite: ENV 170.

ERO100 – Intro to Emergency Response and Operations

3 credits

Prepares students for a career in emergency services. This course includes an overview of emergency medical services, law enforcement services and firefighter services, career opportunities within and related fields.

ERO115 – Crisis Intervention

3 credits

An introduction to crisis response for first responders of an emergency or significant incident or event. This course will assist those who are assisting people in the immediate aftermath of a disaster or other type of tragedy. Students will learn how to reduce initial stress, gather information, debrief, and produce an environment of connectedness to empower communities to heal in the recovery process.

HEA125 – First Aid & Industrial Safety

3 credits

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.

GEO107 – Human Cultural Geography I

3 credits

Introduces the study of human cultural geography with a focus on developing nations. Regional topics include the Middle East, Asia, Africa, and the Pacific Islands. Recommended: WRI 121 placement.

HIM104 – Intro to Health Data and Content I

2 credits

This course provides an overview of healthcare delivery systems and health information fields. Includes origin and uses of health records, admitting functions, filing and numbering systems, interdepartmental communication, and computation of basic census data, micrograph concepts, and electronic data interchange. Lab will include application of healthcare procedures via a web-based virtual lab.

HIM105 – Legal & Ethical Aspects of Healthcare

3 credits

Introduces the legal basis for medical practice, confidentiality, HIPPA, voluntary and involuntary release of medical information, professional liability, consents for treatment and other procedures, and medical-ethical issues.

HIM106 – Health Data Content & Structure II

4 credits

This course covers the importance of accurate and timely health record documentation. Addresses fundamental health record documentation requirements and practices in a variety of healthcare settings. Topics include information governance, electronic health records and health IT, and clinical documentation improvement, and real-world, hands-on experience with Neehr Perfect software. Prerequisite: HIM 104.

HIM212 – Intro to Pharmaceuticals

3 credits

This course covers appropriate medication use, the effects of medication, dangers and precautions, and routes of administration. Reviews common prescription abbreviation, forms of medications, and basic drug categories.

HPE207 – Stress Management

3 credits

Students learn the basis for various components of stress and how to recognize and cope appropriately with physical, occupational, social, school, and environmental stressors. The course emphasizes achieving lifestyle balance and shows students how to develop and practice physiologic relaxation techniques and stress reduction methods.

HPE225 – Nutrition

3 credits

A study of food and nutrition, including how they relate to health and disease. Students are exposed to basic nutrition including nutrient needs, how nutrients function in the

body, energy balance, and diet planning for various medical conditions. Provides an in-depth look at current topics and the American diet.

HPE295 – Health & Fitness for Life

3 credits

Explores the role of wellness, physical fitness, stress, nutrition, and cardiovascular health in promoting an individual's health and well-being. Fitness testing and fitness lab are included.

HST101 – Western Civilization I: Ancient World to 1000

3 credits

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

HST201M – United States History I

5 credits

Surveys North American history from the Age of Exploration through the Civil War. Studies include political, social, and economic trends and events. Recommended: Placement scores at WRI 121.

MDA101 – Medical Terminology I

3 credits

Covers medical terminology prefixes, suffixes, word roots, and abbreviations by body system. Prerequisite: Recommended placement into WRI 121.

MDA102 – Medical Terminology II

3 credits

Covers medical terminology prefixes, suffices, word roots, and abbreviations by body system. Prerequisite: MDA 101 with a grade of "C" or better.

MET241 – CAD for Mechanical Design I

2 credits

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

MET241L – CAD for Mechanical Design I

1 credit

Laboratory activities related to MET 241. Corequisite: MET 241

MFG120 – Manufacturing Process I

2 credits

An introductory course in metal removal processes emphasizing drilling, milling, and lathe processes. Includes tool-bit grinding. Emphasis on production speeds and feeds. All lab practice will be on conventional machines. Corequisite: MFG 120L.

MFG120L – Manufacturing Process I

2 credits

Laboratory activities related to MFG 120. Corequisite: MFG 120.

MMT239 – Digital Drawing/Adobe Illustrator

3 credits

Introduces the basics of digital illustration working with both vector graphics and photo editing. Applies tablet technology and screen-based drawing to create digitized graphic elements such as image header, sidebar, banner, logo, and other elements commonly used design. Uses various software platforms, but focuses mainly on Adobe Digital Illustrator. Recommended: ART 131. Corequisite: MMT 239L.

MMT239L – Digital Drawing/Adobe Illustrator Lab

1 credit

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

MMT240 – Digital Photography & Photoshop

3 credits

Students will learn the basics of digital photography, composition, and manipulation of images while using Adobe Photoshop. Investigate competent compact digital and DSLR camera handling techniques. The course emphasizes exposure control, digital management, image editing, printing and presentation. Examines important photographic themes, lighting, and composition. Use Photoshop in acquiring, preparing, manipulating, storing, outputting and/or uploading and displaying digital images. Requires access to a camera with manual exposure controls, DSLR (digital single-lens-reflex) cameras are preferred. Corequisite: MMT 240L.

MMT240L – Digital Photography & Photoshop Lab

1 credit

Laboratory activities relating to MMT 240. Corequisite: MMT 240.

MMT241 – Graphic Design for the Web

3 credits

This intermediate-level digital design course enables students to create web-based graphic and media solutions. Primary software programs include Adobe CS6 Illustrator (for illustrating) and Photoshop (for graphics production and image editing). Students build upon and apply previously learned skills that are specific for business marketing and digital communications and create digital art assets such as logos, buttons, headers, splash screens, infographics and various design and editing techniques for vector graphics, bitmap images, and photos. Both programs are used to integrate Photoshop

and Illustrator files for web applications. Recommended: Completion of MMT 239 and MMT 240. Corequisite: MMT 241L.

MMT241L – Graphic Design for the Web Lab

3 credits

MMT260 – Video Production I

3 credits

Introduces digital video production, with a focus on the fundamentals of project planning, basic camera functions, shooting techniques, lighting principles, and audio recording fundamentals. Includes preproduction issues, production terminology, and evaluation of industry etiquette. Recommended: MMT 240. Corequisite: MMT 260L.

MMT260L – Video Production I Lab

1 credit

Laboratory activities relating to MMT 260. Corequisite: MMT 260.

MMT261 - Advanced Video Editing

3 credits

Continues video production at an intermediate level and includes creation in multiple genres of short-form videos. While applying storytelling and narrative techniques, students create and produce one-on-one interviews, on-the-street interviews, product demos, how-to videos, YouTube videos, web cam videos, and creative storytelling videos. Production equipment used includes digital cameras, lighting, microphones, backdrops, and apply multiple editing techniques. Prerequisites: MMT 260. Corequisite: MMT 261L.

MMT261L - Advanced Video Editing Lab

1 credit

Laboratory activities relating to MMT 261. Corequisite: MMT 261.

MTH105 – Math in Society

4 credits

Math in Society is a rigorous mathematics course designed for liberal arts and humanities majors. The course provides a solid foundation in quantitative reasoning, symbolic reasoning, and problem-solving techniques needed to be a productive, contributing citizen in the 21st century. Prerequisites: MTH 065 or MTH 070 or MTH 095 or MTH 098 or placement into MTH 105 and WRI 095 or WRI 121 or placement into WRI 121.

MTH105M – Math in Society – *This course is built as a part of Military Program. ALL students may enroll in this course but note that it has 1 extra credit than regular MTH105 course.*

5 credits

Math in Society is a rigorous mathematics course designed for liberal arts and humanities majors. The course provides a solid foundation in quantitative reasoning, symbolic reasoning, and problem-solving techniques needed to be a productive, contributing citizen in the 21st century. Prerequisites: MTH 065 or MTH 070 or MTH 095 or MTH 098 or placement into MTH 105 and WRI 095 or WRI 121 or placement into WRI 121.

MTH111 – College Algebra

5 credits

The algebraic operations dealing with linear, quadratic, and polynomial equations and functions. Introduces graphs of functions, linear, quadratic, polynomial, rational, exponential, and logarithmic, and develops the concepts of exponential and logarithmic functions. Develops skills in systems of equations. Concepts will be introduced numerically, graphically, and symbolically. Results will be communicated in oral and written form. Prerequisite: Completion of MTH 095 with a “C” or better or placement by entrance exam.

MTH112 – Elementary Functions

4 credits

The trigonometric ratios and their applications with special emphasis on identities, trigonometric equations, vectors, and complex numbers. Prerequisite: MTH 111 with grade “C” or better or equivalent.

MTH243 – Statistics I

4 credits

Covers concepts of elementary probability, frequency distributions and their graphs, probability distributions, descriptive statistics, confidence interval estimation, and interpretation of statistical results. Prerequisite: Completion of MTH 095 or MTH 105 with a “C” or better or placement into MTH 111.

MUS206M – History of Rock Music

5 credits

Examines rock music’s roots and development, its innovators and significant events through a cultural, as well as musical, perspective. Prerequisite: WRI 121.

OST131 – 10 Key Calculators

1 credit

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.

PHL103 – Critical Thinking

3 credits

Focuses on improving critical thinking, reasoning, assessment, and argumentation abilities in the personal, professional, and academic arenas. Emphasizes practical methods for developing arguments—rhetorical methods and tools of persuasion—as well as evaluating the validity of existing arguments, editorials, propaganda, and advertisements. Prerequisite: WRI 095 or WRI 121 or placement into WRI 121.

PHL209 – Business Ethics

3 credits

Designed primarily for students of business and related fields, this course examines the ethical issues that arise in several aspects of business. Historical and contemporary ethical theories are used to examine business practices in management, the use of computers, marketing, accounting, and international industry and commerce. May also address social and environmental impacts as corporate versus individual responsibilities. Prerequisite: WRI 121.

PSY101 – Psychology & Human Relations

3 credits

Focuses on practical and personal applications of psychological principles. Encourages applications of psychological principles to daily living and to human interactions such as work, leisure, school, and relationships.

PSY201A – General Psychology I

3 credits

Introduction to the general principles of psychology. Topics include history, research methods, brain and behavior, genes and environment, human development, and sensing and perception. Note – the introduction to psychology series does not have to be taken in order. PSY 201A is the recommended first class in the series. Prerequisite: WRI 121.

PSY201M – General Psychology I

5 credits

Introduction to the general principles of psychology. Topics include history, research methods, brain and behavior, genes and environment, human development, sensing and perception, consciousness, and learning. Prerequisite: WRI 121.

PSY225 – Abnormal Psychology I

3 credits

Overview of biological, psychological, and social causes of abnormal behavior. Specific topics include models, classification system, and assessment of abnormal behavior.

Anxiety, mood, personality, and stress disorders are covered during the course of the term. Prerequisite: WRI 121.

PSY233 – Psychology of Violence and Aggression

4 credits

This course addresses the developmental, social, physiological, and cultural aspects that contribute to violence and aggression as well as the legal issues involved. Includes an overview of the theories of aggression, as well as factors influencing family violence, violent children, mob mentality, hate crimes, war and terrorism, stalking, sex crimes, and murder. Prerequisite: WRI 121 or placement into WRI 121.

PSY235 – Human Growth & Development I

3 credits

A biosocial study of human development from conception to adolescence. Discusses the biological and social processes, i.e., cognition, personality, emotion, and social, affecting the developing child. Applications to health care, family, and education are discussed. Recommended: Previous coursework in psychology.

SPA101 – First Year Spanish I

4 credits

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.

SPA101M – First Year Spanish I

5 credits

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.

SPE111 – Fundamentals of Speech

3 credits

Prepare and present original speeches with emphasis on organization and outlining. Present informative, persuasive, and other types of speeches. Prerequisite: WRI 121.

TEX280 – Cooperative Work Experience: Seminar

1 credit

Introduces students to the selection processes and procedures necessary to gain successful employment. Topics covered include: Job search techniques, networking, resumes, cover letters, thank-you letters, and interview techniques. Recommended: To be taken near completion of degree or certificate. Prerequisites: CAS 133 and WRI 121.

WLD101 – Welding Processes & Applications

3 credits

Introduction to Welding covers flat and horizontal positions with oxygen-acetylene welding OAW, stick SMAW, Mig GMAW on mild steel, Tig GTAW on aluminum, safety, setting up and shutdown.

WLD114 – Shielded Metal Arc Weld: Mild Steel I

3 credits

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.

WLD115 – Shielded Metal Arc Weld: Mild Steel II

3 credits

Develop intermediate and advanced skills in shielded metal arc welding for success in the metal fabrication industry. Includes preparation of joints for proper setup and design using 1/4 inch and thicker mild steel. Prerequisite: WLD 114.

WLD253 – Welding Cert Practice 3/8- or 1-Inch Mild Steel I

3 credits

Practice for the American Welding Society Mild Steel Welding Certification tests using mild steel electrodes in the horizontal, vertical, and overhead positions. Prerequisite: WLD 114.

WRI121 – English Composition I

4 credits

Develops skills in expository writing with appropriate documentation, analytical reading, and critical thinking. Students compose several essays using a variety of strategies to present evidence in support of a thesis. Prerequisite: Writing and Reading placement test scores, or WRI 095 with a grade “C” or better.

WRI121M – English Composition I

5 credits

Develop skills in academic writing with appropriate documentation, analytical reading, and critical thinking. Students compose several essays using a variety of strategies to present evidence in support of a thesis. Prerequisite: WRI 095 with a grade of “C” or better or placement into WRI 121.

WRI122M – English Composition II

5 credits

Focuses on argument as a means of inquiry, clear and appropriate writing style, and critical reading. Explores ideas and issues through discussion and writing. Students compose analytical and argumentative essays with appropriate documentation.

Prerequisite: WRI 121 with a grade of “C” or better.

WRI227 – Technical Communication

4 credits

Introduces technical and professional communications. Emphasizes precise use of language and graphics to communicate complex technical and procedural information safely, legally, and ethically. Prerequisite: WRI 121 with a grade of “B” or better or WRI 122 with a grade of “C” or better.