

Crandall High School

CAREER AND TECHNICAL EDUCATION

AGRICULTURE, FOOD, & NATURAL RESOURCES

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

1101

Grade 9 or first year AG

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. The course examines Leadership Principles, recordkeeping, SAEP's, Contest, Woodworking, Breeds of Livestock, and Oxy-acetylene metal cutting, and shop procedures.

CREDIT: 1

TYPE: Regular

GRADE: 9-10

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT

1104

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices.

CREDIT: 0.5

TYPE: Regular

GRADE: 9-12

PREREQUISITE: 1101 - PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

1102

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. A \$15.00 lab fee will be assessed.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 1101 - PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

EQUINE SCIENCE

1103

May be offered alternate years (Contact Counselor for availability.)

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of 9 settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules

CREDIT: 0.5

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 1101 - PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

SMALL ANIMAL MANAGEMENT

1106

May be offered alternate years (Contact Counselor for availability.)

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need

opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

CREDIT: 0.5

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 1101 - PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

LIVESTOCK PRODUCTION

1110

May be offered alternate years (Contact Counselor for availability.)

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 1101 - PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

VETERINARY MEDICAL APPLICATIONS

1111

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: Principles of Agriculture, Food, and Natural Resources, Biology or Chemistry, and either Equine Science, Small Animal Management or Livestock Production

PROFESSIONAL STANDARDS IN AGRIBUSINESS

AGRBUS

To be prepared for careers in agribusiness systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to leadership development and the workplace, and develop knowledge and skills regarding agricultural career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 1101 - PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

AGRICULTURAL FACILITIES DESIGN AND FABRICATION

1107

To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. A \$15.00 lab fee will be assessed.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

PREREQUISITE: 1101 - PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES or 1102 - AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

CAREER PREPARATION I

1112

2 - 3 Credits per year

This course is a career and technical course in which students attend one class period and work at least two hours per day to receive two state credits. This course is designed to prepare students for paid employment in

vocational occupations. Employability skills as well as specific information for the students' training stations are covered. The students extend their learning experiences on the job. The training stations must be approved and are supervised by the teacher/coordinator.

CREDIT: 3

TYPE: Regular

GRADE: 11-12

PREREQUISITE: Must be a junior or senior who passed all classes the previous semester.

CAREER PREPARATION II

1113

2 - 3 Credits per year

This course is a career and technical course in which students attend one class period and work at least two hours per day to receive two state credits. This course is designed to prepare students for paid employment in vocational occupations. Employability skills as well as specific information for the students' training stations are covered. The students extend their learning experiences on the job. The training stations must be approved and are supervised by the teacher/coordinator.

CREDIT: 3

TYPE: Regular

GRADE: 11-12

PREREQUISITE: Must be a junior or senior who passed all classes the previous semester.

PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES

1114

The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, internships, assistantships, mentorships, etc.

CREDIT: 2

TYPE: Regular

GRADE: 12

PREREQUISITE: Student participation in a coherent sequence of 2 or more credits in the Agriculture, Food, and Natural Resources cluster.

ARCHITECTURE AND CONSTRUCTION

ART I

6121

Fee: \$25.00

Students will learn to appreciate art and practice artistic skills throughout the year. Students will be exposed to terminology that will enhance their ability to discuss artistic form. Many different art projects will be completed during the course. Some of the areas of skill will include drawing, painting, design and sculpture. Students will gain valuable insight and experience in the world of art.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

INTERIOR DESIGN

5108

May be offered alternate years (Contact Counselor for availability.)

Interior Design is a technical course that addresses psychological, physiological and sociological needs of individuals by enhancing the environment in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 5101 - PRINCIPLES OF EDUCATION

ADVANCED INTERIOR DESIGN

5109

Advanced Interior Design is a technical laboratory course that includes the knowledge of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior spatial design.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

PREREQUISITE: Principles of Human Services, Art and Interior Design

ARTS, A/V, TECHNOLOGY, & COMMUNICATIONS

PROFESSIONAL COMMUNICATIONS

0710

This course meets a graduation requirement.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

CREDIT: 0.5

TYPE: Regular

GRADE: 9-12

PRINCIPLES OF ART, AV TECHNOLOGY AND COMMUNICATIONS

4101

½ - 1 Credit

Activities and projects will include, but not be limited to: Study of the history of Audio/Video Technology; Exploration of related careers; basic computer skills training; and effective communication via multimedia presentations. Students will be expected to participate in Pirate Radio and on-camera in Pirate TV productions. There is emphasis on development of leadership skills and employability.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

PREREQUISITE: Application, signed releases (allowing students' works and likenesses to be shown to the public), and parental agreement to provide financial responsibility.

AUDIO/VIDEO PRODUCTION

4102

1 – 2 Credits

Requirements: Application; signed releases (allowing students' works and likenesses to be shown to the public), and parental agreement to provide financial responsibility.

Activities and projects will include, but not be limited to: Multimedia presentations to be shown on Pirate TV, YouTube and other websites; presentations to be distributed by DVD and/or other portable media; Film Festivals and competitions; and direct experience with equipment, computers and software. Students will be expected to participate in Pirate Radio and on-camera in Pirate TV productions.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

PREREQUISITE: 4101 - PRINCIPLES OF ART, AV TECHNOLOGY AND COMMUNICATIONS

ADVANCED AUDIO/VIDEO PRODUCTION

4103

Requirements: Application; signed releases (allowing students' works and likenesses to be shown to the public), and parental agreement to provide financial responsibility.

Activities and projects will include, but not be limited to: Multimedia presentations to be shown on Pirate TV, YouTube and other websites; presentations to be distributed by DVD and/or other portable media; Film Festivals and competitions; and direct experience with equipment, computers and software. Students will be expected to participate in Pirate Radio and on-camera in Pirate TV productions. Additionally, students at this level will be required to write and produce video projects on a regular basis.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 4101 - PRINCIPLES OF ART, AV TECHNOLOGY AND COMMUNICATIONS

PRACTICUM IN AUDIO/VIDEO PRODUCTION

4104

2 - 3 Credits

Requirements: Application; signed releases (allowing students' works and likenesses to be shown to the public) and parental agreement to provide financial responsibility.

Students at this level will focus on leadership skills and employability. Activities will include, but not be limited to: Assisting instructor with activities and productions of other related classes (principles, production, advanced production), field trips, participation in festivals and contests; and completion of user certification in Final Cut or other software

CREDIT: 2

TYPE: Regular

GRADE: 11-12

PREREQUISITE: 4103 - ADVANCED AUDIO/VIDEO PRODUCTION

BUSINESS MANAGEMENT & ADMINISTRATION

BUSINESS INFORMATION MANAGEMENT I

3101

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make successful transition to the workforce and post-secondary education. Students will apply technical skills through word-processing, spreadsheet, database, and electronic presentation software.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

BUSINESS INFORMATION MANAGEMENT II

3102

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and post-secondary education. Students will apply complex technical skills through word-processing and spreadsheet, and developing electronic presentations using multimedia software.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

PREREQUISITE: 3101 - BUSINESS INFORMATION MANAGEMENT I

CTE COURSES FOR ACADEMIC CREDIT

PROFESSIONAL COMMUNICATIONS

0710

This course meets a graduation requirement.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

CREDIT: 0.5

TYPE: Regular

GRADE: 9-12

FINANCE and MARKETING

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

3103

Students are introduced to knowledge and skills of economics and private enterprise systems, impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles.

CREDIT: 0.5

TYPE: Regular

GRADE: 9-12

BANKING AND FINANCIAL SERVICES

3201

This is a course that introduces students to the principle functions of financial institutions. Students will learn to evaluate the role of money, understand services of banking and financial institutions for loans, savings, and investing, understand mortgage transactions, and identify economic theories and financial forces that influence international business.

CREDIT: 0.5

TYPE: Regular

GRADE: 10-12

RETAILING AND E-TAILING

3301

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 3101 - BUSINESS INFORMATION MANAGEMENT I

ACCOUNTING I

3202

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

PREREQUISITE: 3103 - PRINCIPLES OF BUSINESS, MARKETING & FINANCE

ACCOUNTING II

3203

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

PREREQUISITE: 3202 - ACCOUNTING I

BUSINESS LAW

BLAW

Students analyze the social responsibility of business and industry regarding the significant issues relating to the legal environment, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, business organizations, concept of agency and employment, and real property. Students apply technical skills to address business applications of contemporary legal issues. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

HEALTH SCIENCE

PRINCIPLES OF HEALTH SCIENCE

5201

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Upon completion of the course, participants may request it be used to satisfy the local health course requirement. A \$5.00 lab fee will be assessed.

CREDIT: 0.5

TYPE: Regular

GRADE: 9-12

MEDICAL TERMINOLOGY

5202

May be offered alternate years (Contact Counselor for availability.)

This course provides students who are interested in a medical career the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

CREDIT: 0.5

TYPE: Regular

GRADE: 9-12

HEALTH SCIENCE

5203

The Health Science course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. A \$5.00 lab fee will be assessed.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: Principles of Health Science, Biology and Medical Terminology

PRACTICUM IN HEALTH SCIENCE

5205

2 to 3 Credits

The Practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The class is taught in two consecutive class periods with a combination of both classroom instruction and clinical rotations in a local health care facility. Students are required to purchase their hospital attire, complete a CPR course, and to comply with all requirements of the health care facilities.

CREDIT: 2

TYPE: Regular

GRADE: 11-12

PREREQUISITE: Principles of Health Science, Biology and Medical Terminology

ANATOMY & PHYSIOLOGY

5204

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

CREDIT: 1

TYPE: Regular

GRADE: 12

PREREQUISITE: Three science credits

HOSPITALITY AND TOURISM

PRINCIPLES OF HOSPITALITY AND TOURISM

5301

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

LIFETIME NUTRITION & WELLNESS

5302

May be offered alternate years (Contact Counselor for availability.)

This course focuses on the principles of food science, technology, and nutrition as they affect growth, development, health, and wellness. These principles will enable students to make wise choices, promote good health, and pursue careers related to food science, technology, and nutrition.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 5101 - PRINCIPLES OF EDUCATION

CULINARY ARTS

5303

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CREDIT: 2

TYPE: Regular

GRADE: 11-12

PREREQUISITE: 5101 - PRINCIPLES OF EDUCATION or 5302 - LIFETIME NUTRITION & WELLNESS

PRACTICUM IN CULINARY ARTS

5304

This course is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences.

Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace.

CREDIT: 2

TYPE: Regular

GRADE: 12

PREREQUISITE: Principles of Human Services, Lifetime Nutrition and Wellness and Culinary Arts

HUMAN SERVICES

PRINCIPLES OF EDUCATION

5101

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

CHILD DEVELOPMENT

5102

May be offered alternate years (Contact Counselor for availability.)

This technical laboratory course is designed to provide individuals opportunities to develop knowledge and skills in preparation to function effectively in the role of parent or caregiver. Content stresses parental responsibilities; child guidance techniques; parents as positive role models; parents as their children's first teacher; and parenting practices that promote a child's development, health, safety, and well-being. Managing family crisis, managing multiple roles of family members throughout the life cycle, and career preparation are additional topics.

CREDIT: 0.5

TYPE: Regular

GRADE: 10-12

HUMAN GROWTH AND DEVELOPMENT

5103

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones.

CREDIT: 0.5

TYPE: Regular

GRADE: 10-12

CHILD GUIDANCE

5104

1 – 2 Credits

May be offered alternate years (Contact Counselor for availability.)

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING

5105

1-2 Credits

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

CREDIT: 1

TYPE: Regular

GRADE: 11-12

PREREQUISITE: 5102 - CHILD DEVELOPMENT or 5103 - HUMAN GROWTH AND DEVELOPMENT

PRACTICUM IN EDUCATION AND TRAINING

5106

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

CREDIT: 2

TYPE: Regular

GRADE: 11-12

PREREQUISITE: Two credits from Education Cluster

PRACTICUM IN EDUCATION II

5107

Practicum in Human Services provides occupationally specific training and focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster as well as the essential knowledge and skills for communication, critical thinking, problem solving, information technology, ethical and legal responsibilities, leadership, teamwork, and entrepreneurship.

CREDIT: 2

TYPE: Regular

GRADE: 11-12

PREREQUISITE: Two credits from Child Development or Education Cluster.

INFORMATION TECHNOLOGY

PRINCIPLES OF INFORMATION TECHNOLOGY

2105

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

CREDIT: 1

TYPE: Regular

GRADE: 9-10

DIGITAL & INTERACTIVE MEDIA

2101

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 3101 - BUSINESS INFORMATION MANAGEMENT I

WEB TECHNOLOGIES

2107

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

CREDIT: 1

TYPE: Regular

GRADE: 10-12

PREREQUISITE: 2105 - PRINCIPLES OF INFORMATION TECHNOLOGY

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

PRINCIPLES OF GOVERNMENT ADMINISTRATION

2201

Government and Public Administration introduces students to foundations of governmental functions and career opportunities within the United States. Students will examine governmental documents such as the United States Constitution and the Bill of Rights.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

SCIENCE, TECHNOLOGY, MATH & ENGINEERING

CONCEPTS OF ENGINEERING AND TECHNOLOGY

1201

Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

CREDIT: 1

TYPE: Regular

GRADE: 9-12

ENGINEERING DESIGN AND PRESENTATION

1202

Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields and will be able to make informed decisions regarding a coherent sequence of subsequent courses. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

CREDIT: 1

TYPE: Regular

GRADE: 9-12