

Accounting I

Course Number:6311

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2010 ([pdf, 26kb](#))

Prerequisite:None

Description:

This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on the analysis and recording of business transactions, preparation, and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation. Mathematics is reinforced. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Adobe Visual Design

Course Number:7938

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Under development

Prerequisite:None

Description:

This course is a project-based course that develops ICT, career, and communication skills in print and graphic design using Adobe tools. This course is aligned to Adobe Photoshop, Adobe In-design, and Adobe Illustrator certifications. English language arts are reinforced. Work-based learning strategies appropriate for this course include job shadowing. Apprenticeship and cooperative education are possible for this course. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Advanced Digital Media

Course Number:7936

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2009 ([pdf, 43kb](#))

Prerequisite:Digital Media I

Description:

This course provides students with industry knowledge and skills in the overall digital media design field. Areas covered in these two courses include graphics, animation, video, and web design. An emphasis is placed on the fundamental concepts of graphic design, various digital media technologies, non-linear editing, product development and design, and career development. Art, English language arts, and mathematics are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Apparel I

Course Number:7035

Recommended Maximum Enrollment:20 (or 2 per sewing machine)

Recommended Hours of Instruction:135-150

Course blueprint:Winter 2004 ([pdf, 226kb](#))

Prerequisite:None

Description:

In this course students are introduced to clothing production in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion. Art, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and Cooperative education are not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Apparel II - Enterprise

Course Number:7036

Recommended Maximum Enrollment:20 (or 2 per sewing machine)

Recommended Hours of Instruction:135-150

Course blueprint:Winter 2004 ([pdf, 135kb](#))

Prerequisite:Apparel I

Description:

In this course students are introduced to advanced clothing and housing apparel development skills. The use of fibers and fabrics is combined with design and construction techniques to develop and produce clothing or housing apparel products. A real or simulated apparel business enterprise and FCCLA activities allow students to apply instructional strategies and workplace readiness skills to an authentic experience and to develop a portfolio. Mathematics and science are reinforced. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning and job shadowing. Apprenticeship is not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Business Management

Course Number:8710

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2011 ([pdf, 164kb](#))

Prerequisite:Principles of Business and Finance

Description:

This course expands student understanding of management, including customer relationship management, human resources management, information management, knowledge management, product-development management, project management, quality management, and strategic management. Economics, finance, and professional development are also stressed throughout the course. English language arts are reinforced. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Carpentry I

Course Number:7721

Recommended Maximum Enrollment:20

Recommended Hours of Instruction:135-180

Course blueprint:Summer 2012 ([pdf, 21kb](#))³

Prerequisite:Core and Sustainable Construction

Description:

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on development of introductory skills. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Geometry is recommended as preparation for this course.

Computer Engineering Technology I

Course Number:7991

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-180

Course blueprint:Summer 2012 ([pdf, 21kb](#))

Prerequisite:None

Description:

This course includes the hardware skills required for installing and maintaining computers. It includes objectives in the following five domains, a) PC Hardware, b) Networking c) Laptops, d) Printers, and e) Operational Procedures. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for the CompTIA A+ credential. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Computer Engineering Technology II

Course Number:7992

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2012 ([pdf, 18kb](#))

Prerequisite:Computer Engineering Technology I

Description:

This course includes the software skills required for installing and maintaining computers. It includes the following four domains, a) Operating Systems, b) Security, c) Mobile Devices, and d) Troubleshooting. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for the CompTIA A+ credential. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

CTE Internship

Course Number:8597

Recommended Maximum Enrollment:NA

Recommended Hours of Instruction:135-150

Prerequisite:None

Description:

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Digital Media

Course Number:7935

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2009 ([pdf, 44kb](#))

Prerequisite:None

Description:

This course provides students with industry knowledge and skills in the overall digital media design field. Areas covered in this course include graphics, animation, video, and web design. Industry certifications are used to align curriculum with industry needs. An emphasis is placed on the concepts of graphic design, various digital media technologies, non-linear editing, product development and design, and career development. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Geometry is recommended as preparation for this course.

Drafting I

Course Number:7921

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2003 ([pdf, 299kb](#))

Prerequisite:None

Description:

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas and concepts found in the areas of architecture, manufacturing, engineering, science, and mathematics. Topics include problem-solving strategies, classical representation methods such as sketching, geometric construction techniques, as well as computer assisted design (CAD), orthographic projection, and 3-D modeling. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Drafting II - Architectural

Course Number:7962

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2005 ([pdf, 96kb](#))

Prerequisite:Drafting I

Description:

This course focuses on the principles, concepts, and use of complex graphic tools used in the field of architecture, structural systems, and construction trades. Emphasis is placed on the use of computer assisted design (CAD) tools in the creation of floor plans, wall sections, and elevation drawings. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Drafting II - Engineering

Course Number:7972

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2005 ([pdf, 101kb](#))

Prerequisite:Drafting I

Description:

This course focuses on engineering graphics introducing the student to symbol libraries, industry standards, and sectioning techniques. Topics include coordinate systems, principles of machine processes and gearing, and the construction of 3-D wireframe models using computer assisted design (CAD). English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Drafting III - Architectural

Course Number:7963

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2005 ([pdf, 84kb](#))

Prerequisite:Drafting II - Architectural

Description:

This course introduces students to advanced architectural design concepts. Emphasis is placed on the use of computer assisted design (CAD) tools in the design and execution of site and foundation plans as well as topographical information and detail drawings of stairs and wall sections. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Geometry is recommended as preparation for this course.

Health Science I

Course Number:7240

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2012 ([pdf, 242kb](#))

Prerequisite:None

Description:

This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Students will learn about health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and cooperative education are not available for this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Biology is recommended as preparation for this course.

Health Science II

Course Number:7242

Recommended Maximum Enrollment:20

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2011 ([pdf, 27kb](#))

Prerequisite:Health Science I OR PLTW Human Body Systems

Description:

This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Students will learn health care skills, including current CPR and first aid training. English language arts and science are reinforced in this course. Work-based learning strategies

appropriate for this course include internship, mentorship, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Health Team Relations

Course Number:7210

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2005 ([pdf, 92kb](#))

Prerequisite:None

Description:

This course is designed to assist potential health care workers in their role and function as health team members. Topics include terminology, the history of health care, health care agencies, ethics, legal responsibilities, careers, holistic health, human needs, change, cultural awareness, communication, medical math, leadership, and career decision making. English language arts are reinforced. Work-based learning strategies appropriate for this course include service learning, field trips, and job shadowing. Apprenticeship and cooperative education are not available for this course. English language arts and social studies are reinforced in this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills to authentic experiences.

Horticulture I

Course Number:6841

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2012 ([pdf, 51kb](#))

Prerequisite:None

Description:

This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are apprenticeship, cooperative education, internship, mentorship, school-based enterprise, job shadowing, and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Horticulture II

Course Number:6842

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2003 ([pdf, 771kb](#))

Prerequisite:Horticulture I

Description:

This course covers instruction that expands scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turfgrass management, and personal development. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are apprenticeship, cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, job shadowing, and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Interior Design I

Course Number:7151

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2006 ([pdf, 269kb](#))

Prerequisite:None

Description:

This course focuses on housing needs and options of individuals and families at various stages of the life cycle. Emphasis is placed on selecting goods and services and creating functional, pleasing living environments using sound financial decisions and principles of design. Topics of study include elements and principles of design, backgrounds and furnishings, architectural styles and features, and functional room design. Art and mathematics are reinforced. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. Family, Career Community Leaders of America (FCCLA) competitive events, community

service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Interior Design II

Course Number:7152

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2005 ([pdf, 125kb](#))

Prerequisite:Interior Design I

Description:

This course prepares students for entry-level and technical work opportunities in the residential and non-residential interior design fields. Students deepen their understanding of design fundamentals and theory by designing interior plans to meet living space needs of specific individuals or families. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures. Art and mathematics are reinforced. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Microsoft Word, PowerPoint, and Publisher

Course Number:6417

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2011 ([pdf, 24kb](#))

Prerequisite:None

Description:

Students in Microsoft IT Academies benefit from world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. In the first part, students will learn to use the newest version of Microsoft Word interface, commands, and features to create, enhance, customize, share and create complex documents, and publish them. In the second part, students will learn to use the newest version of Microsoft PowerPoint interface, commands, and features to create, enhance, customize, and deliver presentations. In the last part, students will learn to use the basic features of the newest version of Publisher to create, customize, and publish a publication. English language arts are reinforced. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeship is not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Microsoft Excel and Access

Course Number:6419

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2011 ([pdf, 23kb](#))

Prerequisite:None

Description:

Students in Microsoft IT Academies benefit from world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. The first part of the class is designed to help you use the newest version of Microsoft Excel interface, commands, and features to present, analyze, and manipulate various types of data. Students will learn to manage workbooks as well as how to manage, manipulate, and format data. In the second part of the class, students will learn how to create and work with a database and its objects by using the new and improved features in newest version of Microsoft Access. Students will learn how to create, modify, and locate information as well as how to create programmable elements and share and distribute database information

Network Engineering Technology I

Course Number:7980

Recommended Maximum Enrollment:25

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2009³

Prerequisite:None

Description:

This course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. Content includes personal computer hardware and operating systems, connection to networks and to the Internet through an ISP, network addressing, network services, wireless technologies, basic security, and troubleshooting networks. This course uses Cisco CCNA Discovery -Networking for Home and Small Businesses curriculum and must be conducted using the Cisco Networking Academy connection. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for the Cisco Certified Entry Networking Technician (CCENT) certificate. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Sports and Entertainment Marketing I

Course Number:6670

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2012 ([pdf, 156kb](#))

Prerequisite:None

Description:

In this course, students are introduced to the industry of sports, entertainment, and event marketing. Students acquire transferable knowledge and skills among related industries for planning sports, entertainment, and event marketing. Topics included are branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; human relations; and safety and security. Mathematics and social studies are reinforced. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Sports and Entertainment Marketing II

Course Number:6671

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2004 ([pdf, 194kb](#))

Prerequisite:Sports and Entertainment Marketing I

Description:

In this course, students acquire an understanding of sports, entertainment, and event marketing. Emphasis is on business management, career development, client relations, contracts, ethics, event management, facilities management, legal issues, and sponsorships. Mathematics and social studies are reinforced. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Strategic Marketing

Course Number:6626

Recommended Maximum Enrollment:30

Recommended Hours of Instruction:135-150

Course blueprint:Summer 2008 Version 2 ([pdf, 55kb](#))

Prerequisite:None

Description:

This fast-paced course challenges students by combining into one course the concepts taught in the Marketing and Marketing Management courses. The curriculum, activities, and resources utilized in this course are written at the freshman college level. The Strategic Marketing course focuses on the impact of marketing on society, procedures used in buying behavior, procedures to manage marketing information, procedures to develop and manage products, pricing procedures, promotion, marketing channels, supply chain management, retail operations, and global marketing. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Mathematics is reinforced. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeship is not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

