

BTEC

Boonslick Technical Education Center

2016-2017 Course Descriptions

Boonville Pirates



Bunceton Dragons



New Franklin Bulldogs



Pilot Grove Tigers



Prairie Home Panthers



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Boonslick Technical Education Center Course Descriptions 2016-2017

AGRICULTURAL EDUCATION

Agriculture courses may be articulated credit for a maximum of 15 FREE college credit hours with State Fair Community College and 3 credit hours with State Technical College of Missouri (formerly Linn State Technical College) when completed with a recommendation from the instructor and counselor and the appropriate grade. Dual credit opportunities are also available through State Fair Community College. Agriculture courses are considered a practical art or an elective credit on a student's Personal Plan of Study. Additional graduation requirements may be met through completion of agricultural classes. Students will take a MOASK test for their Technical Skills Attainment (TSA) exam.

***-Counts towards the 3 for 1 General Life Science Credit (statewide agreement)**
****^-Counts towards the ½ Credit of Personal Finance. The state EOC test must be taken with this course.**
****^ Accepted by University of Missouri- Columbia for the 3 for 1 General Science Credit**
****^ Accepted by University of Missouri-Columbia as a substitution for an Economics/Social Studies Credit for some majors**
+Counts towards a Communication Arts/Language Arts Credit for high school graduation as Written Communications

These credits are NOT accepted by NCAA for Division I sports.

**Agricultural Science I

This entry level/Freshman agricultural class covers topics such as careers in agriculture, leadership/FFA activities, beginning record keeping, introduction to animal nutrition and production, introduction to agricultural mechanization, and supervised agricultural experience. SAE, record keeping & FFA involvement is required.

Open to all grade levels
1 unit



State Fair Community College Course: AGR1108 Animal Science (3 credit hours if Ag Science I and Animal Science are completed) & AGR 1175 Occupational Internship (2-4 credits)

**Agricultural Science II

This is an intermediate level/Sophomore agricultural class in which topics such as advanced discussions of careers in agriculture, leadership/FFA activities, record keeping, and supervised agricultural experience will be taught. Also topics of plant, crop, and soil sciences, entomology, conservation/natural resources, and horticulture will be introduced. More advanced agricultural mechanization techniques will also be introduced. SAE, record keeping & FFA involvement is required.



Prerequisite: Ag Science I or instructor's consent.

Sophomores, Juniors and Seniors
1 Unit

State Technical College of Missouri (formerly State Technical College of Missouri (formerly Linn State Technical College)) Course: CTG 106 Fundamentals of Turf & Grounds (3 credit hours if Ag Science II and one of the following Greenhouse Operations & Management I/II or Landscape and Turf Grass Management are completed)
State Fair Community College Course: AGR 1175 Occupational Internship (2-4 credits)

Agricultural Construction

This is an advanced laboratory course which allows for construction of major metal projects through using welding and large wood projects. SAE, record keeping & FFA involvement is required.



Prerequisite: Ag Science II or instructor's consent.

Juniors and Seniors
1 or 2 Units

State Fair Community College Course: AGR 1175 Occupational Internship (2-4 credits)

**Advanced Animal Science

This is an advanced course in animal production, marketing, breeding, and nutrition. In depth discussions about biotechnology and waste management may also be included. Keeping accurate production records and selection of good stock will also be included. SAE, record keeping & FFA involvement is required.

Prerequisite: Ag Science II or instructor's consent.

Juniors and Seniors
1 Unit

+Agricultural Leadership & Communications

An advanced level communications/agricultural course designed to instruct in research, composition, and public speaking in the areas of informational, demonstration, persuasive, and motivational papers and speeches, understanding of MLA and APA citations, overview and review of basic English/language arts components (grammar, spelling, sentence structure, punctuation), weekly debate and journaling on current agricultural issues, development of job application materials including resumes and cover letters, mock interviews (face to face and phone), career and college searches, leadership and team building development and activities, agricultural sales research and presentations, development of newsletters, press releases (written and radio) and news articles, and reading comprehension and written response of motivational, team building, and leadership books.

Juniors or Seniors

1 Unit and/or 1 Unit Written Communications

State Fair Community College Course: AGR 1175 Occupational Internship (2-4 credits)

**Conservation of Natural Resources

Introduction of topics and hands on experience of the natural resources/conservation industry. Topics will range from an understanding of wildlife and fish management, careers in the natural resource/conservation industry, forest management, identification of wildlife, and general conservation practices. There will be the opportunity to create wildlife food plots. SAE, record keeping & FFA involvement is required.

Prerequisite: Ag Science II or instructor's consent.

Juniors & Seniors

1 Unit

*Landscaping & Turf Grass Management

Introduction of topics and hands on experience of the nursery and landscaping industries. Topics will range from an understanding and identification of nursery crops, transplanting techniques, landscape design, and maintenance of woody ornamentals and landscapes. Students will learn about turf grass production and management for lawns and landscapes and the use in sports areas such as golf courses, baseball, soccer, and football fields. Computerized landscape design programs will be utilized to design landscapes including plants, sidewalks, walls, etc. There will also be the opportunity to raise and landscape an area of the community or school. SAE, record keeping & FFA involvement is required.

Prerequisite: Ag Science II or instructor's consent.

Juniors and Seniors

1 Unit

- **Linn State Class:** CTG 106 Fundamentals of Turf & Grounds (3 credit hours if Ag Science II and one of the following Greenhouse Operations & Management I/II or Landscape and Turfgrass Management are completed)

Articulation for Any Ag Class:

- **SFCC Class:** AGR 1175 Occupational Internship (2-4 credits)

**Greenhouse Operation and Management I

Introduction of topics and hands on experience of the greenhouse industry. Topics will range from an understanding of greenhouse operation, plant propagation, and careers available in greenhouse industry. There will also be the opportunity to raise and sell your own plants. SAE, record keeping & FFA involvement is required.



Prerequisite: Ag Science II or instructor's consent .
Juniors and Seniors
1 Unit

State Technical College of Missouri (formerly State Technical College of Missouri (formerly Linn State Technical College) Course: CTG 106 Fundamentals of Turf & Grounds (3 credit hours if Ag Science II and one of the following Greenhouse Operations & Management I/II or Landscape and Turfgrass Management are completed)
State Fair Community College Course: AGR 1129 General Horticulture (3 credit hours)-articulated or dual credit & AGR 1175 Occupational Internship (2-4 credits)

**Greenhouse Operation and Management II

Advanced topics and hands on experience of the greenhouse industry. Advanced understanding and application of greenhouse operation, plant propagation, and careers available in greenhouse industry. There will also be the opportunity to raise and sell your own plants. SAE, record keeping & FFA involvement is required.



Prerequisite: Greenhouse Operations and Management I and Instructors Consent.
Seniors
1 Unit

State Technical College of Missouri (formerly State Technical College of Missouri (formerly Linn State Technical College) Course: CTG 106 Fundamentals of Turf & Grounds (3 credit hours if Ag Science II and one of the following Greenhouse Operations & Management I/II or Landscape and Turfgrass Management are completed)
State Fair Community College Course: AGR 1175 Occupational Internship (2-4 credits)

SAE Internship

Students who have completed three years of agricultural courses are eligible for a SAE Internship for one to three hours per day. For every ten hours of work averaged per week, a student can earn ½ credit per semester. For every twenty hours of work averaged per week, a student can earn 1 credit per semester. For every thirty hours of work averaged per week, a student can earn 1 ½ credits per semester. This internship must be taken in conjunction with another agricultural course. Some internships may receive pay from an employer where others do not depending on the type of business or industry. Students must have reliable transportation and signed parent permission in order to participate, along with instructor and BTEC director approval. Students will also be required to be subject to onsite evaluations and maintain a financial record book documenting their work.

Seniors

1/2 to 3 Units credits, repeatable

State Fair Community College Course: AGR 1175 Occupational Internship (2-4 credits)

Agricultural Education Department Guidelines

1. All freshman and first year agricultural students must enroll in Agricultural Sciences I. Only under extreme circumstances, and with instructor approval, can a student be enrolled in a different class.
2. All second year agricultural students must enroll in Agricultural Sciences II. Only under extreme circumstances, and with instructor approval, can a student be enrolled in a different class. One exception being that if a student took Agricultural Science I as a sophomore or Junior, they can enroll in one of the upper level classes.
3. If a student is an upper level student wanting to enroll for the first time, they must take Agricultural Science I, but can also enroll in upper level classes. Exceptions will be made with instructor approval.
4. Students enrolled in agricultural classes will be required to have an SAE, keep a record book and be involved in FFA. This is because these are intracurricular activities that are required within the curriculum. For some reason, if a student cannot afford involvement, help will be given to them so they will be able to be involved.

ALTERNATIVE ENERGY

Students will participate in SkillsUSA for the career and technical student organization. Students will take assessments for the possibility of earning 504 Multimeter and OSHA 10 Industrial Certifications.

Sustainable Energy Introductory Theory

Go green! Have you heard that lately? Are you interested in environmental science, applied physics, and engineering? Take this advanced career class in renewable energy. Whether you want to travel and see the country or stay here in your own backyard, there is a job for you. Students will conduct an introductory level study of wind, solar, and biomass. Biomass energy sources are such items as wood chips, agricultural residues, and municipal waste that can produce electricity, transportation fuels, renewable natural gas, and heat generation for buildings, whole communities, or industrial processes.

Major units of study will include:

- Introduction to Renewable Energy
- Industrial Mechanics
- Energy and Power Foundations
- Energy Transmission and Distribution
- Electronics
- Advanced Science and Engineered Systems
- Biomass/biofuels Energy Generation
- OSHA Safety Procedures and Regulations
- Environmental Protection Systems



Upon completion, students will be able to have a fundamental understanding of various types of sustainable energy resources and be able to put into practice, under OSHA safety training, the installation of different types of sustainable energy products. Students will have opportunities for classroom theory practices, hands-on laboratory experiences, project-based learning, and job shadowing and/or internships.

Recommendations: Completion of Algebra I, can be taking Geometry or Algebra II concurrently
Completion of Physical Science, Biology, or Horticulture

Juniors, Seniors, and Adults
1 unit of credit



Sustainable Energy Laboratory (2 concurrent class periods)

Students will have the opportunity to put their learned theories into practice with project-based activities and hands-on experiences following EPA regulations. Field trips to various alternative energy-producing sites and college visits will be available.

Recommendation: Completion of Algebra I, can be taking Geometry or Algebra II concurrently

Completion of Physical Science, Biology, or Horticulture

Juniors, Seniors, and Adult

2 units of credit



AUTOMOTIVE TECHNOLOGY

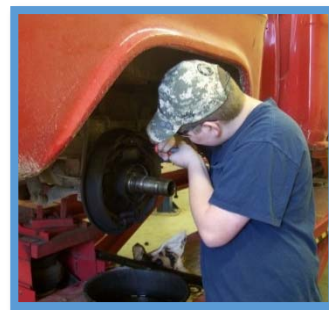
Students will participate in SkillsUSA for the career and technical student organization. Students completing the Auto Technology class will have the opportunity to earn Automotive Specialist Excellence Certifications (ASE).

Automotive Technology Theory I & II

This course is designed to prepare students for an entry-level position as an automotive technician by providing the necessary career skills and knowledge. This is a two-year program that provides students the opportunity to gain knowledge and skills needed in the automotive industry. Computer skills are necessary. Second-year students in Automotive Technology Theory II and Automotive Technology Laboratory II will have the option of participating in an internship during 2nd semester, where they will be able to go to a shop and gain hands-on experience. Students must have a comprehensive grade of C or better and recommendation of the instructor in order to participate in an internship.

Main concepts covered are:

- Automotive Technology
- Electricity
- Engine performance
- Suspension and steering system
- Brakes
- Passenger comfort



Prerequisites: Must pass Communication Arts I & II and Algebra I. In order to return to Automotive Technology Theory II, students must pass Automotive Technology Theory I with a grade of C- or better. Auto Technology I students must earn a C- or better at the end of 1st semester in order to remain in the class for second semester. Any student planning to take the first year of Auto Technology must submit an ASVAB score with the BTEC application.

Juniors and Seniors
1 unit of credit

Automotive Technology Laboratory Experience I & II (2 concurrent class periods)

Students will be provided with “live shop work and automotive shop operations. Students use state-of-the-art computerized diagnostic equipment to enhance the learning process on late model vehicles using “on board” computer control systems. Automotive Technology offers, but is not limited to, the following job opportunities: Auto Service Specialist, Service Manager, and Service Writer. Emphasis is placed on safety in all phases of the coursework. Near the completion of the course, qualified students may be placed in an internship with local businesses.

Prerequisite: Must have Automotive Technology Theory concurrently. In order to return to Automotive Technology Laboratory Experience II, students must pass Automotive Technology Laboratory Experience I with a grade of C- or better. Auto Technology I students must earn a C-

or better at the end of 1st semester in order to remain in the class. Any student planning to take the first year of Auto Technology must submit an ASVAB score with the BTEC application.

Juniors and Seniors

2 concurrent class periods = 2 units of credit

Consumer Car Care (semester course)



This course is designed to provide students with the knowledge to make economical decisions and take the preventative measures needed as an automotive consumer. This course provides students with basic knowledge and experience in owning and maintaining an automobile. Students will have the opportunity to gain knowledge and skills on the following course topics:

- Introduction and how cars work
- Buying an automobile
- Safety around the automobile
- Basic tools
- Auto care and cleaning
- Fluid level check
- Electrical systems



Sophomores, Juniors, and Seniors (only if room available)

½ unit of credit

COMPUTER NETWORKING & INFORMATION TECHNOLOGY

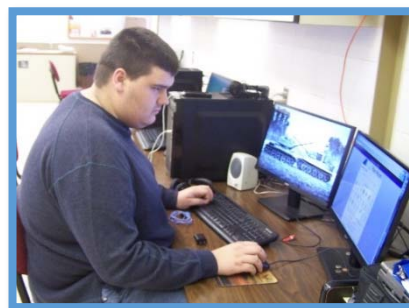
Students will participate in SkillsUSA for the career and technical student organization. The networking and computer information courses are eligible for articulated credit with State Fair Community College (SFCC). Students may also qualify for free dual credit through SFCC. The Information Technology II course prepares students for the Comp TIA A+ and Comp TIA Network + Certification exams.

Computer Networking Laboratory Experience I & II (2 concurrent class periods)

Students will have the opportunity to troubleshoot, upgrade computers, install and configure operating systems, design networks: install, configure, and troubleshoot network operating systems; and maintain servers. At the end of the course, students should be able to go into the workforce as Technical Help Desk Technicians and further their studies towards a degree in computer information systems or a similar programming field. This course is designed to be taken in conjunction with Information Technology I & II.

Prerequisite: completion of Algebra I, Communication Arts I & II, and Keyboarding

Juniors and Seniors
2 units of credit



Information Technology I

Information Technology (IT) is a fast growing field of industry professionals. This course is the first year of a two-year program in computer information and networking. Students learn to build and customize computers and software, use of computers and software to manage information, and prepare for exciting hands-on experience in the Computer Networking Laboratory Experience class. Students will leave the class with enough experience to work in the field as a Help Desk Technician and to be prepared for further studies. This course is designed to be taken in conjunction with Computer Networking Laboratory Experience. The Information Technology I course prepares students to take the PC Pro Certification. The course will give the students the knowledge necessary for industry-standard certifications, such as Comp TIA A+.

Prerequisite: completion of Algebra I, Communication Arts I & II, and Keyboarding.

Juniors and Seniors
1 unit of credit



Information Technology II

Information Technology (IT) is a fast growing field of industry professionals. This course is designed as the final course of a two-year program. Students will further their studies in the use of computers and software to manage information and prepare for exciting hands-on experience in the Computer Networking Laboratory Experience class. Students will leave the class with enough

experience to work in the field as a Help Desk Technician and be prepared for further studies. This course will prepare students to go on to obtain a 4-year degree in computer information technology or a similar programming field, which includes managing a network. This course is designed to be taken in conjunction with Computer Networking Laboratory Experience. The course will give students the knowledge necessary for industry-standard certifications, such as Comp TIA Network+.

Prerequisite: completion of Computer Networking Laboratory Experience and Information Technology I with a combined grade of a C or better.

Seniors

1 unit of credit

Computer Game and Simulation Programming (semester course) *NEW for 2016-2017!*

Students will learn the fundamentals of computer programming by creating video games. Students will expand their understanding of the role technology plays in modern society and the future of high-quality jobs with these transferrable skills. The curriculum aligns with the International Game Developers Association (IGDA). Students will learn about gaming, computerized gaming, and the evolution of gaming along with the artistic aspects of perspective, design, and animation. The technical aspects discussed are 3D modeling, collision theory, and programming logic, along with knowledge of computer gaming hardware. It would be helpful to take this course prior to enrolling in Information Technology.

Recommendation: Prior knowledge of web design and HTML are helpful but not required. Art and CAD classes are good pairings with this course.

Freshman- Juniors (if room available), Seniors
½ unit of credit (repeatable)



HEALTH SCIENCES

The health and medical fields are growing faster than any other career field. Take a look at just a few of the exciting careers available to you:

• Doctor	• Nurse	• Dental Hygienist
• Veterinarian	• Physician's Assistant	• Sports Medicine
• Physical Therapist	• X-Ray Technician	• Surgery Technician
• Medical Assistant	• Pharmacist	• Nurse Assistant
• Respiratory Therapist	• Nurse Practitioner	• Lab Technician
• Paramedic/EMT	• Biomedical Engineering	• Psychology

Students will participate in Health Occupation Students of America (HOSA) as the career and technical organization. Students completing Introduction of Health Careers and the Health Sciences Lab will be eligible to take the test for Certified Nurse Assistant (CNA).

Articulation Agreement with State Fair Community College, Course: NURS 114 Nursing Fundamentals I (2 credits)

Current Health Events (semester course)

This course will introduce students to everyday realities and ethics of the U.S. and world health care systems related to current health issues and events like health-care quality, access to care, the uninsured, patient safety, health care inflation, prescription drugs, physician-patient interaction, use of health care technology, and end-of-life care. The course is intended to provide students with an understanding of the various people groups, stakeholder interactions, and functions of the U.S. and world health care systems through real world events and research about those events. By the end of the course, the student will understand the “who, what, when, where, why, and how” of current health news events.



Recommendations: Completion of Communication Arts I and Biology

Freshman (if room available), Sophomores - Seniors
½ unit of credit

Health Science Laboratory (2 concurrent class periods)

Course topics include anatomy, physiology, first aid, basic health care skills, medical terminology, and human relations. Students will also work toward CPR certification from the American Heart Association. During the year, students will spend some class time working in the community to apply their skills in a wide variety of health care settings including radiology, laboratory, pharmacy, physical therapy, veterinary care, dietary, dental, and other areas of interest. Students

will also have the opportunity to obtain the Certified Nurse's Assistant certification. All students will build personal portfolios which include job applications, resumes, and cover letters.

Prerequisite: Must have passed Introduction to Health Science

Juniors and Seniors

2 concurrent class periods = 2 units of credit

State Fair Community College Credits: NURS 114 Fundamentals of Nursing (BTEC offers 2 credit hours of transcribed articulated credit pending SFCC approval)

High School Science Credit: After successful completion of Introduction to Health Science and Health Science Laboratory, students can earn one (1) general science credit toward graduation.

Introduction to Health Science (semester course)

This course is designed for students interested in pursuing a career in health care. This course will provide an overview of the therapeutic, diagnostic, health informatics, supports services, and biotechnology research and development systems of the health care industry. The course will create an awareness of career possibilities in health care and inform students of the educational options available for health science and health technology programs. Instruction includes, but not limited to, beginning anatomy and physiology, medical terminology, medical skills, medical ethics, diseases, and disorders. This course is meant to be paired with the Health Science I Laboratory for the purpose of gaining the state certification for Certified Nursing Assistant (CNA).

Prerequisite: Must have passed Communication Arts I; good math skills recommended

Sophomores, Juniors, and Seniors

½ unit of credit



High School Science Credit: After successful completion of Introduction to Health Science and Health Science Laboratory, students can earn one (1) general science credit toward graduation depending on local board policy.

NCAA does not recognize this general science credit for Division I sports.

Medical Math (semester course)

This course is designed for students interested in pursuing a career in health care. This course introduces basic principles of pharmacology along with the conceptual and mathematical operations necessary for safe and effective administration of oral, topical, parenteral, and intravenous medications and/or solutions. No medication will be administered in this course.

Prerequisite: Must have passed Algebra I.

Juniors and Seniors

½ unit of credit

Medical Terminology I (online) (semester course)

This is an online course that is designed for students interested in pursuing many careers in health care. This course covers the basic knowledge and understanding of medical language and terminology used by health care professionals. Students will analyze individual word parts, such as prefixes, suffixes, and word roots, along with learning body system dynamics and practical medical language. Students will learn the basic components of medical terminology as it relates to each body system. Abbreviations and their appropriate usage are represented. Students will be able to complete element recognition and interpretation with each lesson and complete a final exam. Even though the course is online, Mrs. Stock is the online instructor, and students will report to Mrs. Stock during class time for proctoring. If a student needs to stay at the home high school to take this online course, arrangements can be made through the BTEC Counseling Office.

Prerequisite: Must have passed Communication Arts II.

Juniors and Seniors

½ unit of credit



Dual Credit: State Fair Community College as HEOC 120, which is 3 college credits in Medical Terminology I

Medical Terminology II (online) (semester course)

This is an online course that is designed for students interested in pursuing many careers in health care. This course covers a more in-depth knowledge and understanding of medical language and terminology used by health care professionals. Students will analyze individual word parts, such as prefixes, suffixes, and word roots, along with learning body system dynamics and practical medical language. Students will learn the basic components of medical terminology as it relates to each body system. Abbreviations and their appropriate usage are represented. Students will be able to complete element recognition and interpretation with each lesson and complete a final exam. Even though the course is online, Mrs. Stock is the online instructor, and students will report to Mrs. Stock during class time and for proctoring. If a student needs to stay at the home high school to take this online course, arrangements can be made through the BTEC Counseling Office.

Prerequisite: Must have passed Communication Arts II and Medical Terminology I.

Juniors and Seniors

½ unit of credit

Dual Credit: State Fair Community College as HEOC 122 for 3 credit hours of Medical Terminology II.

Mental Health Issues in Health Care (semester course)

This course is designed for students interested in pursuing a medical career and learning about mental health. Issues covered within the course include assessment, diagnosis, and treatment of mental illness. Diagnosis include, but not limited to, depressive disorders, anxiety disorders, bipolar disorder, schizophrenia, chemical dependence, and eating disorders.

Prerequisite: Must have passed Communication Arts II.

Juniors and Seniors

½ unit of credit



JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)

The JROTC program is awaiting funding from the US Army to open. We have no control over when we will get the go-ahead. But, we need to be ready at a moment's notice. So, if you are interested in the JROTC program, we ask that you also choose an alternate program. We will notify your high school when/if we hear word from the US Army. All students will begin in LET I. And, as the program develops, students can enter more than one course at a time. For instance, students wanting JROTC for three hours can enroll in Let I, II, & III concurrently.

The JROTC program is set up for leadership training. It is NOT exclusively for those students who plan to enlist in the military. However, if students complete the program and enlist in the military, they can begin at a rank of E3.

Leadership Education Training I (LET I)

This first-level class is an introduction to leadership development. It introduces the student to JROTC, to leadership theory, drill and ceremonies, hygiene and first aid, maps and map reading, techniques of oral communication, the uniform, and to selected optional subjects. Students will develop a portfolio of accomplishments. Students may choose to take this course to fulfill 1 unit of physical education requirement for graduation.



Recommendations: willingness to wear the uniform with pride

Freshmen-Seniors

1 unit of credit

Leadership Education Training II (LET II)

This second-level class is intermediate leadership development. The student works in intermediate leadership, first aid, map reading, techniques of oral communications, marksmanship and safety, drill and ceremonies, people, places and times, services/ROTC opportunities, and selected optional subjects. Students will develop a portfolio of accomplishments.

Students may choose to take this course to fulfill 1 unit of health requirement for graduation.

Recommendations: willingness to wear the uniform with pride

Sophomores-Seniors

1 unit of credit

Leadership Education Training III (LET III)

This third-level class is applied leadership development. The student applies leadership, map reading/navigation, techniques of oral communications, marksmanship and safety, service/ROTC opportunities, and selected optional subjects. Students will develop a portfolio of accomplishments.

Juniors and Seniors who take this course may choose to take the Missouri Personal Finance Exam. Passing this exam will fulfill the state requirement for personal finance.

Recommendations: willingness to wear the uniform with pride

Juniors, Seniors
1 unit of credit

Leadership Education Training IV (LET IV)

This fourth-level class is advanced leadership development. The student works in advanced leadership techniques, drill ceremonies, advanced communications, staff functions and procedures, and selected optional subjects including scholarship and college applications. Students will develop a portfolio of accomplishments.

Seniors who take this course may choose to take the Missouri Personal Finance Exam. Passing this exam will fulfill the state requirement for personal finance.

Recommendations: willingness to wear the uniform with pride

Seniors
1 unit of credit

MARKETING

Students enrolled in Marketing courses will have the opportunity to participate in DECA (Distributive Education Clubs of America) as the career and technical student organization. Students will take a MOASK test for their Technical Skills Attainment (TSA) exam.

Marketing

Marketing is one of the fastest growing occupations, according to the US Department of Labor. Students in this introductory course will be able to learn about the process of planning and executing a product, price, distribution, and promotions of goods and/or services. Some of the topics covered for today's workplace are: career planning, advertising, personal selling, promotional planning, and public relations. Students will learn employability skills.

Recommendation: Completion of Communication Arts I, good computer skills, a high school business class, such as multimedia, desktop publishing and membership in DECA

Freshmen – Seniors; Ninth graders must have instructor approval.

1 unit of credit

Advanced Marketing

Like digital media? Like multi-media? Like to record your own commercials for fun? Try this class on for size. Learn how companies integrate marketing strategies online. Create fun projects for companies integrating the latest trends happening in advertising, public relations, and sales with an online presence.

Prerequisite: Grade of C or better in Marketing. Averaged grades of C or better in Communication Arts.

Recommendation: proficient computer skills, completion of high school business class, such as multimedia, desktop publishing, and membership in DECA

Sophomores, Juniors, and Seniors

1 unit of credit



Entrepreneurship (semester course)

Want to own your own business someday? Learn how to be your own boss in this class. The American Dream awaits you. Students learn how to identify their potential for creating a business or marketable product/idea. Through the process of research, financial analysis and product development, students will create individual business plans. Students will have the opportunity to “Pitch” their ideas through DECA competitions.

Prerequisite: Grade of C or better in Marketing. Can take concurrently with Advanced Marketing.

Recommendation: proficient computer skills and membership in DECA

Juniors and Seniors
 ½ units of credit

Hospitality, Travel, and Tourism (semester course)

Like to travel? Want to learn how the hospitality industry works by catering and accommodating industries. This tourism course will enable students to learn how to work in hotels, restaurants, travel companies and a tour operator or travel agent, guide, or manager. Students will have the opportunity to learn historical values involved in tourism right here in Cooper County. Other travel opportunities may be available through DECA, as well as other summer travel possibilities. Cultural experiences is an important component of this marketing class.

Prerequisite: Grade of C or better in Marketing and Advanced Marketing and instructor approval.

Recommendation: proficient computer skills and math skills, completion of a business class such as multimedia or web design, and membership in DECA

Juniors and Seniors
 ½ credit; repeatable



Sports and Entertainment Marketing

Explore the glamorous and lucrative world of sports and entertainment marketing. Students will develop critical thinking and decision-making skills through the application of marketing principles. Sponsorships, branding, promotions, public relations, licensing and consumer research and behavior are analyzed and applied to the sports and entertainment industry. Upon completion of this course, students will be able to produce and promote an actual sports and/or entertainment event and will have learned about the various career opportunities available. These skills will give students a competitive edge in DECA.

Prerequisite: Can take concurrently with Marketing if maintains an average grade of C or better in Communication Arts.

Recommendation: proficient computer skills and membership in DECA

Juniors and Seniors
 ½ credit; repeatable

Marketing Internship (semester course; repeatable)

Students who have completed the Marketing course are eligible for a marketing internship for one to three hours a day. For every ten hours of work averaged per week, a student can earn ½ credit per semester. For every twenty hours of work averaged per week, a student can earn 1 credit per semester. For every thirty hours of work averaged per week, a student can earn 1 ½ credits per semester. This internship must be taken in conjunction with other marketing program classes, as

well; such as Advanced Marketing; Retail Marketing; Global Marketing; Hospitality, Travel, and Tourism; and Sports and Entertainment Marketing. Some internships may receive pay from an employer where others do not depending upon the type of business or industry. Students must have reliable transportation and signed parent permission in order to participate, along with instructor approval.

Prerequisite: In order to become eligible for the internship, students must have earned at least a B average or better in the Marketing course. Students **MUST** obtain their own employment prior to beginning the internship and maintain employment throughout the semester. The internship must be taken in conjunction with another marketing class.

Recommendation: proficient computer skills and membership in DECA

Juniors and Seniors

½ -3 credits; repeatable

Retail Marketing / BTEC Enterprise (semester course)

Operate a retail store and coffee shop right here at school! Students will have the opportunity to learn the concepts of retail sales, public relations, purchasing and inventory management, visual merchandising, and e-commerce by being responsible for operating our school store, named the BTEC Snack Shack. As part of the curriculum, students will learn safe food handling and earn a Cooper County Food Handler's Supervisor License.



Prerequisite: Grade of C or better in Marketing and/or Advanced Marketing and instructor approval.

Recommendation: proficient computer and math skills and membership in DECA

Juniors and Seniors

½ units of credit; repeatable

Fashion Marketing

This course will emphasize fundamental marketing concepts in the fashion marketing industry. Students will examine the history, evolution, and business of fashion. The course will prepare students to promote products lines/brands, and organize promotional campaigns. In addition, students will analyze the marketing of fashion apparel from the development of the product line, to distribution through multiple retail channels, and purchased by targeted customers. Students will participate in several hands-on projects throughout the semester.

Prerequisite: Can take concurrently with Marketing if maintains an average grade of C or better in Communication Arts.

Recommendation: proficient computer skills and membership in DECA

Juniors and Seniors

½ credit; repeatable

WOODWORKING, COMPUTER-AIDED DRAFTING (CAD), and CONSTRUCTION

Students in Construction will have the opportunity to earn industry recognized certificates: OSHA 10 hour Construction Industry certificate and National Center for Construction Education and Research (NCCER) Introductory Craft Skills. Students will participate in SkillsUSA as the career and technical student organization.

Advanced Construction Technology

In this course, students will learn more advanced aspects of the woodworking and building industry through hands-on building and construction experience. Although the primary focus of this class is actual construction, all aspects of the woodworking and construction industry will be explored. Examples include but are not limited to; technical drawing, project planning, technical writing, budgeting, time management, career opportunities, workplace behavior, and safety. Internships may be available to the more advanced students. Some career opportunities include construction, construction management, general carpentry, cabinet-making, interior design, architecture, and manufacturing. Emphasis is placed on safety in all phases of the coursework. This course is a paired well with Computer-aided Drafting (CAD).

Prerequisites: Must have completed Introduction to Woodworking Technology, Communication Arts I, Algebra I and geometry or taking geometry concurrently.

Sophomores, Juniors, and Seniors
1 unit of credit; repeatable



Computer-aided Drafting (CAD) I

Through a combination of hands-on exercises and drawing problems, this course introduces the student to computer-aided design and drafting using the AutoCAD software. The AutoCAD topics covered in this course include:

- an introduction to AutoCAD features
 - starting and setting up drawings
 - point coordinate entry methods
 - creation of 2D objects
 - layer management
 - object properties
 - selection sets
 - object snap modes
 - polar tracking
 - object snap tracking
 - construction techniques
 - creating and managing text objects
 - editing geometry
 - display control
 - drawing inquiry methods.



Some career opportunities include game design, construction, cabinet-making, interior design, architecture, manufacturing, and engineering.

Prerequisite: Must have completed Algebra I and geometry or taking geometry concurrently.

Juniors and Seniors
I unit of credit

Computer-aided Drafting (CAD) II



Students will continue with a higher-level of a combination of hands-on exercises, and drawing problems, using AutoCAD software. The AutoCAD topics covered in this course include those described above in CAD I and more in-depth projects developing 3D animation and utilizing a 3D printer.

Prerequisite: Must have completed CAD I

Seniors
I unit of credit

Introduction to Woodworking Technology

In this course, students will learn introductory woodworking and basic construction skills through safety instruction, classroom study, hands-on use of tools and equipment, and building projects. Small, simple, inexpensive projects will be used as a springboard for advanced building projects in Advanced Woodworking and Construction Technology. A review of all aspects of the construction industry, such as career opportunities, house plans, technology, work ethics, etc. will be explored.



Recommendation: good math skills

Freshmen, Sophomores, Juniors, and Seniors (if room is available)
1 unit of credit