

Eldon High School

**MUSTANGS**

and

**State Fair**  
Community College

**College Now Handbook**

## **Articulation vs. Dual Credit: What's the difference?**

### **Articulation agreement**

An articulation agreement is a written, formal document that specifies the process by which a high school student may earn college credit through successful completion of certain high school courses where students achieve learning outcomes, skills and abilities comparable to those covered in a college course. The process allows high school students to move smoothly into postsecondary education without experiencing delay or duplication of courses. The college credit is not awarded until the student is enrolled at the college issuing the articulation agreement. Because the courses involved are at the high school level, the student pays no tuition.

### **Dual Credit**

Dual credit provides the opportunity for high school students to enroll in courses approved by a postsecondary institution for college credit. The student is able to receive credit toward a high school diploma for such courses and upon graduating from high school receives college credit from the postsecondary institution involved and other colleges and universities, which accept transfer credit from that postsecondary institution. Dual credit courses are generally advanced-level courses and are open to students who qualify for admission for college-level work. The high school student pays a reduced tuition for dual credit courses. In order for the course to meet the dual credit criteria, the postsecondary institution may dictate the textbook, syllabus, grading system, teacher qualifications and other course requirements.

To be eligible for **Missouri Baptist University** dual credit a student must:

- 1) Have a minimum cumulative **GPA of 2.5-3.0** in order to enroll in a dual credit class.
- 2) Students must earn a "C" or higher in order to receive credit for their course. Tuition will not be refunded for dropped courses or grades of "D" or "F".
- 3) Students must complete proper prerequisite courses.

**College Algebra, Hon. Probability & Statistics, Honors Pre-calculus and Trigonometry and Hon. Calculus** are offered as dual-credit classes through Missouri Baptist University. Tuition is currently \$65 per credit hour. Applications for registration are given to interested students at the beginning of the course in the Fall with a deadline for returning them to the EXCEL (dual credit) coordinator.

For **State Fair Community College** dual credit eligibility requirements, refer to the Student and Parent Guidebook 17-18.

Course Descriptions,  
Plan of Study,  
&  
Schedule  
for  
Eldon School District

**ART 101 - Art Appreciation** 3  
Study of art history from the last of the 19th century through the present. Consists of formal lectures, films, slides, gallery and studio visits, assigned readings, as well as hands-on experiences with art materials. Includes the evolution of art by focusing on the major art movements of the past 100 years. Encourages appreciation of visual art through the study of content, design, technique, and criticism of art. Students learn how art changed during this period and how it reflects the dynamics of 20th century civilization.

**BADM 101- Introduction to Business** 3  
Prerequisite: ENGL 060 with a grade of C or higher or equivalent placement scores. Course is an introduction to the principles, practices and problems encountered in the general business environment. Topics include options for organizing a business, the basic functions of accounting, marketing, management, and finance.

**BADM 107 - Personal Finance** 3  
Prerequisites: ENGL 070 and MATH 061 with grades of C or higher or equivalent placement scores. Introduction to personal financial management. Examines the techniques necessary to analyze and make choices concerning major purchases, tax planning, insurance, borrowing, investing, and other personal finance issues.

**BIO 112 - Introduction to Biology with Lab** 5  
Prerequisites: ENGL 101 and MATH 110 or MATH 112 with grades of C or higher or equivalent placement scores. Introduction of biology that develops an understanding of basic, unifying concepts in science and biology through an investigative laboratory environment. Topics include the scientific method, biochemistry, cell biology, metabolism, genetics, evolution, ecology, and human ecology. (4 lecture, 1 lab)

**BIO 207 - Human Anatomy with Lab** 4  
Prerequisites: ENGL 070 with a grade of C or higher or equivalent placement scores and a high school biology course with a grade of C or higher or a college biology course with a grade of C or higher (BIO 103 is recommended but not required). Study of gross and microscopic anatomy of the human organs, tissues and systems. (2 lecture, 2 lab)

**BIO 208 - Human Physiology with Lab** 4  
Prerequisite: BIO 207 with a grade of C or higher, LPN license or currently enrolled in a PN program and have completed Anatomy or Anatomy and Physiology with a grade of B or higher. Course presents the basic biological functions of the human body from cell to tissue, tissue to organ and organ to

organ system with attention to the interrelationships at these levels. (3 lecture, 1 lab)

**COMM 101 - Public Speaking** 3  
Study and practice of basic techniques involved in generating, designing, delivering, and evaluating ideas for speech situations facing adults of our society.

**EASC 118 - Environmental Geology** 3  
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Focuses on natural hazards and the human consequences associated with geologic processes. Topics include the study of plate tectonics, earthquakes, volcanoes, floods, tornadoes, storms, wildfires, pollution, climate change, and global warming. Emphasis is placed on how those hazards affect humans and how human activity affects Earth's environment.

**ENGL 101 - English Composition I** 3  
Prerequisite: ENGL 070 as a corequisite or with a grade of C or higher or equivalent placement scores. Emphasizes planning, drafting and revising along with critical thinking and information management skills and their role in communicating concise written ideas to a range of audiences for a variety of purposes. Basic computer skills are essential for successful completion.

**ENGL 102 - English Composition II** 3  
Prerequisite: ENGL 101 with a grade of C or higher. Combines the process writing techniques acquired in ENGL 101 with higher-order reasoning and advanced research skills to communicate ideas in meaningful and effective writing. Basic computer skills are essential for successful completion.

**HIST 101 - US History Before 1877** 3  
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Survey of the political, economic and social development of the United States from its European origins through the Reconstruction Process. A study of the Missouri Constitution is included to meet the state's requirements in Senate Bill No. 4.

**HIST 102 - US History Since 1877** 3  
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Survey of the political, economic, social, and military development of the United States from 1877 to the present. A study of the Missouri Constitution is included to meet the state's requirements in Senate Bill No. 4.

**LIT 101 - Introduction to Literature** 3  
Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Study of fiction,

poetry and drama. Special attention is given to literary terminology and critical analysis. Recommended but not required as a preparation for other courses in literature.

**LIT 107 - American Literature 3**

Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Study of major American authors and works from the Colonial Period to the present, emphasizing development of concepts that have shaped American life and literature.

**PHIL 101 - Introduction to Philosophy 3**

Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Introduction to the history, persons and perspectives related to the theory of the nature, methods and limits of knowledge. Students will be challenged to deal with concepts such as reality, truth, ethics, reason, and metaphysics.

**POLS 101 - American/National Government 3**

Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Survey course of the American government and political systems. Particular attention is given to the government's origins, politics, the branches of government, and policy making. The Missouri Constitution is included to meet the requirements of Senate Bill No. 4.

**PSY 101 - General Psychology 3**

Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Introduction to the scientific study of behavior and mental processes. Includes a survey of historical and current theories, theorists and perspectives in psychology. Goals include increasing critical thinking and intellectual curiosity about psychological phenomenon and provides a basis for further study in the field. Topics include neurology, sensation and perception, consciousness, learning, psychometrics, personality development, and mental illness and wellness. Writing papers in APA format is required.

**SOC 100 - General Sociology 3**

Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Introduction to the basic principles, concepts, research strategies, and empirical findings representative of the field today. Explores the relationships of individuals and groups in the context of broader social patterns. Establishes a basis for further study in the field. Course topics may include gender and racial inequality, deviance, economic and political institutions, social mobility, and concepts related to current social and cultural change.

**WELL 122 - Applied Wellness 1**

A different type of physical education activity course that can be enjoyed by any or all students regardless of age or physical condition. Designed to provide students with theoretical and practical experiences focusing on the relationship of lifestyle to productivity and quality of life. Course will fulfill the wellness requirement.

**ECC Course Descriptions**

**Accounting I and II**

**ACCT 109 - Applied Accounting Procedures 3**

Prerequisite: ENGL 070 with a grade of C or higher or equivalent placement scores. Provides a basic understanding of accounting terminology and procedures used to record, classify and summarize financial data for a sole proprietorship. Designed for those with no previous knowledge of accounting.

**Greenhouse Operation & Management I and II  
AGRI 129 - General Horticulture 3**

Course includes study of horticultural crops and the horticultural industry. Study includes plant propagation and fruit and vegetable production. Students will also participate in the \*Supervised Agriculture Experience Program (SAEP) and FFA leadership. Pre-Requisite: Ag. Science I, Recommended: Ag. Science II

**Agriculture Business Management and Sales  
AGRI 132 3**

AGRI 132 - Agriculture Economics 3 Study focuses on the factors affecting the income and expenditures of agricultural business and the methods and systems of buying and selling products. Students will maintain their personal record book on their \*Supervised Agriculture Experience Program (SAEP) along with FFA leadership. Prerequisites: Ag. Sci I and II A unit of embedded personal finance will be part of this curriculum.

Embedded Personal Finance – this is for students who opt out of taking a semester of Personal Finance. They

must take the course for a year and pass a test to receive their Personal Finance credit.

### **Advanced Animal Science**

**AGRI 108** **3**  
Presents principles of animal agriculture essential for a basic understanding of the animals that are chief producers of food and fiber for human consumption. Specific breeds, animal behavior, anatomy, physiology, reproduction, and nutrition will be included. Each student will receive basic training in record keeping through the development of a \*Supervised Agriculture Experience Program (SAEP). In addition, each student will receive training in public speaking and parliamentary procedure as well as be given opportunities to participate in leadership and skill contests. Students will continue to develop their FFA leadership skills. Prerequisites: Ag. Sci I and II

### **Architectural 3D Design I**

**EDT 120** **3**

### **Architectural 3D Design II**

**EDT 125** **3**  
Prerequisite: EDT 120 with a grade of C or higher. Course will introduce students to architectural software widely used in the commercial field to produce architectural models and working drawings. Building Information Management (BIM), design development, construction documentation, and planning techniques relating to the software will be emphasized.

### **Intro to Engineering Design**

**EDT 130** **3**

### **Intro to Engineering Design II**

**EDT 132** **3**  
Prerequisite: EDT 130 with a grade of C or higher. Advanced course presents different 3D and parametric solid modeling applications using Solid Modeling software. Studies include the development and generation of advanced 2D and 3D sketches, solid models, assemblies, presentations, and the creation of complex and detailed drawings, analyzing and testing solid models, and developing physical models with rapid prototyping equipment. Each student will complete an individual design project involving a mechanical assembly with appropriate documentation.

### **3Ds Animation I & II**

**EDT 155** **3**

Course presents 3D modeling using a variety of currently utilized modeling software. Students will produce multiple projects using selected ACIS and parametric modeling software applying rendering and animation software to produce presentations of the models created.

### **Computer Networking**

**NET 102** **3**

Introduces the student to the use and implementation of local area networks and basic network design

concepts. Subject matter covered during this course all align with current Network+ certification topics and help prepare a student for this certification.

### **Computer Maintenance**

**NET 140 PC Hardware** **3**

Presents microcomputer architecture, input/output (I/O) and systems operation. Other topics include peripherals, diagnostics, drives, memory, and maintenance procedures. Laboratory consists of troubleshooting selected computer systems.

### **Robotic Engineering**

**NET 142 - PC Operating Systems** **3**

Study of computer operating systems including Windows, Linux and DOS, with requirements of necessary hardware and known problems and features. Laboratory consists of installation, maintenance and repair of operating systems.

### **Microcomputer Applications**

**CAPP 125** **3**

Cover in depth the study of Microsoft Office 2007 software. Applications include fundamentals of spreadsheets, word processing, databases, and presentation software. Using Word, students will create flyers, letters, resumes, and application letters. During Excel instruction, numerical data will be used to prepare and generate charts. Access is used to organize data into tables and produce reports. Powerful and colorful presentations will be prepared and delivered incorporating text and the latest features of PowerPoint.

### **Health Occupations**

**NURS 114** **2**

**HEOC 120** **3**

The Health Occupations class is a one year course offered for both work-bound and college bound students. If you are interested in a health-related career, Health Occupations gives you the opportunity to explore and observe first hand; dentists, dieticians, lab technicians, physical therapists, nurses, and other health professionals that work together as a team. Students learn about the health care delivery system, proper communication and observation skills, basic anatomy and physiology, life stages, and essential health care procedures. Clinical experiences and observations are provided in various health care facilities such as hospitals, nursing homes, doctors' offices, health departments, and veterinary clinics. Students are required to purchase a uniform, nametag, and immunizations. Prerequisite: C in Biology and successful completion of Applied Math or higher; Grade 11 (by teacher permission only)

**Building Trades**

**CNST 145 - Construction Methods I 3**

Students will study the methods used to install various construction materials related to the major divisions of the Construction Specification Institute

(CSI) format during their first year of trade school.

**CNST 146 - Construction Methods II 3**

Continuation of CNST 145 for students in their second year of trade school. Students will study the methods used to install various construction materials related to the major divisions of the Construction Specification Institute (CSI) format.

Plan of Study 2017-18			
ASSOCIATES OF ARTS DEGREE			
STATE FAIR COMMUNITY COLLEGE			
ELDON HIGH SCHOOL COLLEGE NOW			
Student Name:			
Student Signature:			
Advisor Signature:			
Parent/Guardian Signature			
<i>Required Signature and Date</i>			
9th Grade	10th Grade	11th Grade	12th Grade
1 *English I Hon. English I	*English II Hon. English II		
2 *Algebra I Geometry or Hon Geom	*Geom. Alg. II or Hon Alg. II		
3 *Phys. Science Hon Phy. Science	*Chemistry Hon. Chemistry		
4 *PE	*World Civ. Hon. World Civ		
5 Elective	Elective		
6 Elective	Elective		
7 Elective	Elective		