

## CAREER ACADEMIES

### General Information:

- Career Academies are for senior students only
- Students interested in an academy experience must complete an application process which may include an interview
- Attendance records will be considered as part of the application process
- Dual credit is offered (both HS/College credit)

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### BUSINESS ACADEMY

029821

GRADES: 12

1 CREDIT/2 TERM

General Elective

\*PREREQUISITE: LETTER OF APPLICATION

### DUAL CREDIT

Class is taught off sight and students need to provide their own transportation.

This course offers dual credit from both Bettendorf High School and Scott Community College. The course will blend entrepreneurship skills with business functions necessary to operate a small business. Students will be introduced to entrepreneurship through weekly presentations from local business representatives. Through observation and practical experience, students will learn the basics of market planning, principles of accounting and financial management, market research and developing a business plan. Students will utilize a team approach to develop their business ideas and will have an opportunity to practice incorporation of their ideas into real-world settings.

The second 9-weeks of this semester-long course will include rotations through a local business. Students will work in pairs gaining real-life practice in the areas of Advertising/Marketing, Human Resources, Sales, Management, Customer Service, Recruitment, Finance, Collections, Quality, IT). The academy will conclude with business presentations made by the students. **NOTE: Enrollment in this course is limited.**

\*See department introduction for a description of Employability, Financial Literacy, Civic Literacy, and Technology essential skills and benchmarks

### COMPUTER SCIENCE ACADEMY

GRADES: 12

1 CREDIT/2 TERM

General Elective

\*PREREQUISITE: LETTER OF APPLICATION

### NO COLLEGE CREDIT

Class is taught off sight and students need to provide their own transportation.

Students will gain IT process and methodology experience which is foundational in all IT positions during this sixteen week course. It is a capstone experience for high school students who have an interest and an aptitude in the field of computer science and IT. The course will consist of both classroom work and real world projects taught by a high school instructor and facilitated by John Deere professionals in the IT field.

Possible projects may include:

- concept validation/prototype/market segment/ user needs - providing students the opportunity to experience true user research, feedback of websites and prototype improvements
- graphic Design/Development
- mobile App Development
- data Analytics and Business insights
- cyber security

### EDUCATION ACADEMY

253411

GRADES: 12

1 CREDIT/2 TERM

General Elective

\*PREREQUISITE: LETTER OF APPLICATION

### DUAL CREDIT

Class is taught off sight and students need to provide their own transportation.

This course provides 18 weeks of studying the structure of American education while also providing background information about the role of a teacher. Emphasis will be placed on providing a broad foundation to assist students with making career choices. The first 9 weeks of this class will take place in a typical classroom setting. During the second 9 weeks of the class, opportunities for guided observation and teacher aide services in various school classrooms will be provided. Bettendorf and Pleasant Valley school districts will support learning opportunities at the elementary and middle/Jr. High level. Students will be partnered with a mentoring teacher for four weeks at one level, and five weeks at another. One day per week will be used for reflection and planning. This will be conducted by an adjunct instructor from Scott Community College.

### Benchmarks

The students will:

- decide whether or not to enter the field of education.
- decide what age group they are interested in teaching.

- understand the complex role of a teacher in today's classroom.
- understand the methods and theories of education.
- understand the standard of education to complete an education program.
- differentiate between the pros and cons of being a teacher.

**ENGINEERING ACADEMY**

**160811**

**GRADE: 12**

**1 CREDIT/2 TERMS**

**General Elective**

**\*PREREQUISITE: APPLICATION/ENGINEERING PROBLEMS**

**DUAL CREDIT**

**Class is taught off sight and students need to provide their own transportation.**

This course will help students understand the field of engineering and engineering technology. By exploring various technology systems and manufacturing processes, students will learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. This class will contain nine weeks of coursework and nine weeks application of their knowledge at one or more Deere and Company facilities.

**Benchmarks**

The students will:

- understand major concepts of different fields of engineering
- develop problem solving skills and strategies
- identify components of total quality management
- utilize computer technology through CAD/CAM programs and apply them in a work environment
- perform field research by analyzing data
- understand trends, issues and challenges of the engineering field
- identify potential careers in the field of engineering

**HOSPITALITY ACADEMY**

**294211**

**GRADE: 12**

**1 CREDIT/2 TERMS**

**General elective**

**\*PREREQUISITE: LETTER OF APPLICATION**

**DUAL CREDIT**

**Class is taught off sight and students need to provide their own transportation.**

This course is a beginning level course to the Hospitality Management Program at Scott Community College. Students who have taken the Safety and Sanitation Course are eligible to apply for acceptance into this academy. The academy will allow students to experience many aspects of the hospitality field in an effort to explore this as a future career option. Students will be given an introductory look at the hospitality field, will be provided hands-on activities in a laboratory setting and will be placed in a business setting one day per week. The class will be held at Scott Community College in the new, state-of-the-art Culinary Arts and Hospitality Management Center.

**Benchmarks**

The students will:

- analyze operational problems and establish procedures
- assign duties to other employees
- collaborate on menu planning/serving arrangements
- perform serving duties
- manage finances
- control inventories, develop budgets, policies and procedures
- purchase supplies and equipment
- record production and operational data
- carry out customer service
- train workers in food preparation, sanitation, and safety

**NOT OFFERED 2018-2019**

**HEALTH OCCUPATION ACADEMY**

**159811**

**GRADES: 12**

**1 CREDIT/2 TERM**

**General elective**

**\*PREREQUISITE: LETTER OF APPLICATION**

**DUAL CREDIT**

**Location: Trinity Hospital, Bettendorf Campus and students need to provide their own transportation.**

This course will provide learning opportunities for students interested in obtaining skills in the health-care field. Those interested in the medical field will receive experience from trained professionals in various hospital departments. Through observation and practical experience, students will be guided as they think about career choices. Each student will be assigned a rotation/job shadow on a daily basis. The following areas will be set up for student/mentor rotations: Nursing, Radiology, Pharmacy, Laboratory, Cardiopulmonary, Physician, Nuclear Medicine, Dietician, Kitchen, Business Administration and Surgery.

#### Benchmarks

The students will:

- become familiar with careers in the field of healthcare/medicine.
- have an opportunity to expand on healthcare issues previously explored through science or health related courses.
- have an opportunity to learn in a hospital rather than a classroom environment.
- be encouraged and strengthened in preparation for citizenship and work.
- have an enhanced partnership between community, business, and educational environments.
- become aware of the existing economic need for healthcare professionals.

#### **LOGISTICS ACADEMY**

**162411**

**GRADE: 12**

**\*PREREQUISITE: LETTER OF APPLICATION**

**1 CREDIT/2 TERMS**

#### **DUAL CREDIT**

**General Elective**

**Class is taught off sight and students need to provide their own transportation.**

The course will provide an overview of the role of Logistics in today's business world; terminology in the field of logistics and an overview of the major functional areas of the Logistics field such as transportation, inventory management, distribution and warehousing, regulatory and compliance. Students will be exposed to trends, issues and challenges of the field, as well as to potential careers in Logistics. Students will spend nine weeks in a classroom setting and nine weeks in a business setting specifically working in a logistics setting.

#### Benchmarks

The students will:

- understand major concepts of logistics and its terminology
- recognize the elements of a logistics system and the major functional areas of logistics
- recognize the support of areas for logistics business and their impact in the success of the logistics operation
- understand trends, issues and challenges of the logistics field
- expand knowledge of logistics (supply chain) operations in their area and in their everyday life
- identify potential careers in the field of logistics

#### **TRANSPORTATION ACADEMY**

**099901/099903**

**GRADE: 12**

**\*PREREQUISITE: LETTER OF APPLICATION**

**2 CREDITS/4 TERMS**

#### **DUAL CREDIT**

**General Elective**

**Class is taught off sight and students need to provide their own transportation.**

Transportation Academy is a course designed to prepare students to enter the world of work in automotive repair. This course will be taught at Scott Community College and will run for thirty-two consecutive weeks. The course will be divided into the following units:

**Basic Core Skills** (3 weeks) - This module of the course is designed to acquaint the student with the proper personal and shop procedures needed to function in a repair shop.

**Diesel Power Equipment** (9 weeks) - This module of the course is designed to acquaint the student with modern diesel powered equipment operation and service.

**Automotive Technology** (9 weeks) - This module of the course is designed to acquaint the student with basic maintenance and service.

**Automotive Collision Repair** (9 weeks) - This module will be divided into four segments and will include instruction in each of the following areas: Detailing and Trim service, Metal Finishing, Panel Alignment, and Basic Refinishing.

The students enrolled in this course will participate in job shadowing in addition to participating in the modules listed above. One day a week the student will visit a repair facility to observe the typical duties and responsibilities of individuals employed in the various areas covered by the course modules. The School-To-Work Coordinator will coordinate and supervise this activity.