



## Focused Elective Examples by Career Cluster



The following are examples of elective course sequences that students may want to consider for a career cluster/pathway of interest to them. They include actual Davenport Community School District courses linked with specific career interests and potential post-secondary options. This is not an all-inclusive list; many more career pathways fall under each career cluster. The complete listing of all Davenport Community School District course offerings can be found on the district's web site at:

<http://davenportschools.org/curriculum/courseguide/2010-11/CourseGuide.pdf>.

Additional guidance can be obtained by exploring the hyperlinks for a multitude of post-secondary institutions at:

<http://davenportschools.org/curriculum/ACP.asp>.



### 1. Agriculture, Food & Natural Resources Career Cluster

**Agriculture-Related Careers:** Choose at least 3 units from the following: Earth Materials 0.5; Environmental Studies 0.5; Meteorology 0.5; Genetics 0.5; Weather, Climate & Space 0.5; Operating a Small Business 0.5; Principles of Accounting 0.5; Business Law 0.5; Applied Economics 0.5; Foods 0.5

### 2. Architecture & Construction Career Cluster

**Construction Trades:** Choose at least 4 units from the following: Basic Carpentry 0.5; Basic Woodworking 0.5; Advanced Woodworking 0.5; Student Built Home 4.0; Earth Materials 0.5; Environmental Studies 0.5

**Drafting:** Engineering Drafting 1.0 and Architectural Drafting 1.0; Choose at least 1 unit from the following: Introduction to Engineering Design 1.0; Computer Graphics & Design - 0.5; Advanced Computer Graphics and Design - 0.5; Earth Materials 0.5; Environmental Studies 0.5

### 3. Arts, A/V Technology & Communications Career Cluster

**Computer Graphics:** Computer Graphics & Design 0.5; Advanced Computer Graphics 0.5; Choose 3 units from the following: Fundamentals of Web Design I - 0.5; Introduction to Engineering Design 1.0; Computer Graphics Printing 1.0; Information Technology 1.0; Media Experiences 0.5; Photography 0.5; Advanced Photography 0.5

**Professional Artist Careers:** Art Foundations 0.5; Drawing 0.5; Claywork 0.5; Choose 3 units from the following: Painting 0.5; Sculpture 0.5; Photography 0.5; Advanced Photography 0.5; Advanced Placement Two-Dimensional Art 1.5; Operating a Small Business 0.5; Principles of Accounting 0.5

**Instrumental Music-Related Careers:** Fundamentals of Music 1.0; Choose at least 3 credits from the following: Freshman/9th Band 1.0; 1st Band 10-12 - 1.0; 2nd Band 10-12 - 1.0; 9th-12th Band 1.0 (Bands may be repeated.); individual lessons

**Voice Music-Related Careers:** Fundamentals of Music 1.0; Choose at least 3 credits from the following: Concert Chorale 1.0; Varsity Chorus 1.0; Show Choir 1.0; Chamber Singers 1.0 (Courses may be repeated.)

**Orchestra Music-Related Careers:** Fundamentals of Music 1.0; Choose at least 3 credits from the following: Freshman Orchestra 1.0; 1st Orchestra 10th-12th - 1.0; 2nd Orchestra 10th-12th - 1.0; 9th-12th Orchestra 1.0 (Courses may be repeated.); individual lessons

#### **4. Business, Management & Administration Career Cluster**

**Accounting and Recordkeeping:** Choose at least 3 units from the following: Principles of Accounting 0.5; Financial Accounting 1.0; Managerial Accounting 1.0; Introduction to Business 0.5; Business Law 0.5 OR Business Career Academy

#### **5. Education & Training Career Cluster**

**Education Careers:** Choose at least 3 units from the following: Child Development 0.5; Occupational Child Care 2.0; Directed Observation (EDU 150) - 0.5; Educational Foundations (EDU 212) - 0.5; Environmental Studies 0.5; World Language; World Studies 0.5; Advanced Psychology 0.5; Intro to Psychology (PSY 111) - 0.5

#### **6. Finance Career Cluster**

**Finance-Related Careers:** Choose at least 3 units from the following: Principles of Accounting 0.5; Applied Economics 0.5; Economics 0.5; Operating a Small Business; Managing Your Personal Finances 0.5; Financial Accounting (ACC 142) - 1.0; Managerial Accounting (ACC 146) - 1.0; Introduction to Business 0.5; Business Law 0.5 OR Business Career Academy

#### **7. Government & Public Administration Career Cluster**

**Political Careers:** Choose at least 3 units from the following: Sociology 0.5; Psychology 0.5; AP Government 1.5; Contemporary World Issues 0.5; Managing Your Personal Finances 0.5; Economics 0.5; Financial Accounting (ACC 142) - 1.0; Environmental Studies I - 0.5

#### **8. Health Science Career Cluster**

**Health-Related Careers:** Choose at least 3 units from the following: Health Education I - 0.5; Health Education II - 0.5; Environmental Studies 0.5; Genetics 0.5; Practicum in Sports Medicine 0.5; Child Development 0.5; Related Health Occupations 0.5; Health Occupations On-the-Job 0.5; Career Exploration Internship 0.5; Career Emphasis Internship 0.5

#### **9. Hospitality & Tourism Career Cluster**

**Chefs/Food Service Managers/Hotel Motel Managers:** Culinary/Hospitality ProStart I - 1.0; Choose at least 2 units from the following: Foods 0.5; Hospitality Management 0.5; Culinary/Hospitality ProStart II - 1.0; Culinary/Hospitality Work Experience 2.0; Introduction to Business; Principles of Accounting 0.5; Operating a Small Business 0.5; Sociology 0.5; Psychology 0.5

**Cooking & Food-Related Careers:** Choose at least 3 units from the following: Foods 0.5; Advanced Foods 0.5; International Foods 0.5; Independent Living 0.5; Hospitality Management 0.5; Operating a Small Business 0.5; Principles of Accounting 0.5; Computer Applications II

#### **10. Human Services Career Cluster**

**Child-Centered Careers:** Choose at least 3 units from the following: Child Development & Parenting 0.5; Occupational Child Care 2.0; Foods 0.5; Psychology 0.5; World Cultures 0.5; Independent Living 0.5; Managing Your Personal Finances 0.5; Operating a Small Business 0.5; Genetics 0.5

### **11. Information Technology Career Cluster**

**Computer Software-Related Careers:** Choose at least 3 units from the following: Computer Applications II - 0.5; Fundamentals of Web Design I - 0.5; Java 0.5; Visual Basic Programming 0.5; Advanced Visual Basic Programming 0.5; Information Technology 1.0; Introduction to Engineering Design 1.0; Introduction to Electronics 0.5; Digital Electronics 1.0; Computer Graphics & Design I - 0.5; Computer Graphics Design II - 0.5

### **12. Law, Public Safety, Corrections & Security Career Cluster**

**Forensic Science-Related Careers:** Choose at least 3 units from the following: Sociology 0.5; Psychology 0.5; Advanced Psychology 0.5; Genetics 0.5; Computer Applications II - 0.5; Business Law 0.5

### **13. Manufacturing Career Cluster**

**Welding:** Basic Welding 0.5; Advanced Welding 0.5; Vocational Welding 3.0

**Manufacturing-Related:** Choose at least 3 units: Metals, Materials & Processes 0.5; Advanced Metals, Materials & Processes 0.5; Basic Welding 0.5; Advanced Welding 0.5; Vocational Welding 3.0; Introduction to Electronics 0.5; Alternative Energy Today 0.5; Earth Materials 0.5; Environmental Studies 0.5

### **14. Marketing, Sales & Service Career Cluster**

**Marketing-Related Careers:** Choose at least 3 units from the following: Business Career Academy; Introduction to Business 0.5; Operating a Small Business 0.5; Marketing Class 1.0; Marketing Coop Work Experience 2.0; Speech 0.5; Commercial Art 0.5; Applied Economics 0.5; Economics 0.5; Environmental Studies 0.5

### **15. Science, Technology, Engineering & Mathematics Career Cluster**

**Engineering Careers:** Introduction to Engineering Design 1.0 and Choose at least 2 units from the following: Principles of Engineering 1.0; Digital Electronics 1.0; Computer Integrated Manufacturing 1.0; Civil & Architectural Engineering 1.0; Engineering Design & Development 1.0; AP Chemistry 1.5

**Engineering-Technology Careers:** Introduction to Engineering Design 1.0; and Choose at least 2 units from the following: Engineering Drafting 1.0; Architectural Drafting 1.0; Introduction to Electronics 0.5; Digital Electronics 1.0; Computer Integrated Manufacturing 1.0; Principles of Engineering 1.0; Engineering Design & Development 1.0; Meteorology 0.5; Earth Materials 0.5; Environmental Studies 0.5; Genetics 0.5; Weather, Climate & Space 0.5

### **16. Transportation, Distribution & Logistics Career Cluster**

**Automotive Mechanic:** Choose at least 4 units from the following: Basic Auto 0.5; Advanced Auto 0.5; Technology I - 3.0; Auto Technology II - 3.0; Operating a Small Business 0.5; Principles of Accounting 0.5