

The Montgomery Area School District proudly integrates Career and Technical Education Programs that offer students the ability to either explore a variety of technical areas or focus their course work within a particular program. Students are able to attain both high Academic and Technical Skills in a chosen program along with the opportunity to find rigorous and relevant courses for career and post-secondary success.

## **PROGRAMS OF STUDY SCOPE AND SEQUENCE**

### **BUSINESS-ADMINISTRATIVE ASSISTANT & SECRETARIAL SCIENCE**

**BUS 426 – BUSINESS MANAGEMENT – 1.0 cr.**

**BUS 427 – PRINCIPLES OF INVESTING – 1.0 cr.**

**BUS 428 – PERSONAL FINANCE – 1.0 cr.**

**BUS 423 - COMPUTER APPLICATIONS I –.25 cr.**

**BUS 424 - INFORMATION, TECHNOLOGY, AND SOCIETY (CSC 124 @ PCT) – 1.0 cr.**

(Students have the capacity to earn 3 college credits for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**BUS 327 - ECONOMICS – 1.0 cr.**

**BUS 105 – INTRODUCTION TO BUSINESS (MGT105 @PCT) – 1.0 cr.**

(Students have the capacity to earn 3 college credits for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**BUS 150 – PRINCIPLES OF BANKING (FIN150 @ PCT) – 1.0 cr.**

(Students have the capacity to earn 3 college credits for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**MA 140 – BUSINESS MATH (Online) – 1.0 cr.**

## **COMMUNICATIONS TECHNOLOGIES**

**TE 770 - GRAPHICS COMMUNICATIONS I – 1.0 cr.**

**TE 771 - GRAPHIC COMMUNICATIONS II – 1.0 cr.**

**TE 772 – GRAPHICS COMMUNICATIONS III - 1.0 cr.**

**COM 035 – BROADCAST COMMUNICATIONS I – 1.0 cr.**

**COM 037 – BROADCAST COMMUNICATIONS II - 1.0 cr.**

**COM 039 – BROADCAST PRODUCTION AND DESIGN – 1.0 cr.**

**TE 774 – DIGITAL IMAGING I – 1.0 cr.**

**COM 040- YEARBOOK-1.0 cr.**

## **CONSTRUCTION TRADES**

**TE 780 – CREATIVE ENGINEERING AND DESIGN – 1.0 cr. -**

**TE 733 - AutoCAD – COMPREHENSIVE 2D APPLICATIONS  
(COMPUTER ASSISTED DRAFTING)  
(CAD 120 @ PCT) – 1.0 cr.**

(Students have the capacity to earn 3 college credits for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**TE 122 – PARAMETRIC MODELING USING AUTODESK INVENTOR – 1.0 cr.  
(CAD122 @ PCT):**

(Students have the capacity to earn 3 college credits for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**TE 740 - CONSTRUCTION HAND & POWER TOOLS (BCT 103 @ PCT)  
(CONSTRUCTION I) - 1.0 cr.**

(Students have the capacity to earn 1 college credit for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**TE 741 - CONSTRUCTION MATERIALS &  
PROCESSES – 1.0 cr.**

**TE 747 - FRAMING PRINCIPLES - 1.0 cr.**

## **CULINARY-INSTITUTIONAL FOOD WORKERS**

**FACS 709 – PASTRY ARTS I – 1.0 cr.**

**FACS 713 – PASTRY ARTS II – 1.0 cr.**

**FACS 710 – CULINARY ARTS I– 1.0 cr.**

**FACS 711 – CULINARY ARTS II – 1.0 cr.**

**FACS -RESTAURANT INTERNSHIP**

## **ENGINEERING TECHNOLOGIES**

**TE 122 – PARAMETRIC MODELING USING AUTODESK INVENTOR – 1.0 cr.**

**(CAD122 @ PCT):**

(Students have the capacity to earn 3 college credits for successful completion of this course.  
Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**TE 733 - AutoCAD – COMPREHENSIVE 2D APPLICATIONS**

**(COMPUTER ASSISTED DRAFTING)**

**(CAD 120 @ PCT) – 1.0 cr.**

(Students have the capacity to earn 3 college credits for successful completion of this course.  
Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**TE 780 – CREATIVE ENGINEERING AND DESIGN – 1.0 cr.**

**TE 750 – MANUFACTURING ENGINEERING I– 1.0 cr.**

**TE 751 – MANUFACTURING ENGINEERING II – 1.0 cr.**

**TE 752 – PRECISION PRODUCTION AND ENGINEERING – 1.0 cr.**

Prerequisite: Man. Eng. II or Comp. 2D Applications

## **TECH PREP PROGRAM**

### **PRECISION PRODUCTION**

**TE 750 – MANUFACTURING ENGINEERING I– 1.0 cr.**

**TE 751 – MANUFACTURING ENGINEERING II – 1.0 cr.**

**TE 752 – PRECISION PRODUCTION AND ENGINEERING – 1.0 cr.**

Prerequisite: Man. Eng. II or Comp. 2D Applications

**TE 122 – PARAMETRIC MODELING USING AUTODESK INVENTOR – 1.0 cr.**

**(CAD122 @ PCT):**

(Students have the capacity to earn 3 college credits for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**TE 733 - AutoCAD – COMPREHENSIVE 2D APPLICATIONS**

**(COMPUTER ASSISTED DRAFTING)**

**(CAD 120 @ PCT) – 1.0 cr.**

(Students have the capacity to earn 3 college credits for successful completion of this course. Amount determined by Penn College)

*Students must pass the placement exam in order to receive Penn College credit.*

**TE 780 – CREATIVE ENGINEERING AND DESIGN – 1.0 cr.**

***STUDENTS WHO QUALIFY AS CONCENTRATORS OR COMPLETERS IN THESE PROGRAMS WILL BE ELIGIBLE TO TAKE THE NOCTI EXAM ASSOCIATED WITH THEIR PROGRAM.***

**NOCTI is the largest provider of industry-based credentials and partner industry certifications for career and technical education (CTE) programs across the nation.**

Students have the ability to validate skills with NOCTI's certification. The Workforce Competency Credential is issued to individuals scoring at or above the NOCTI criterion-referenced cut score on a current NOCTI Job Ready, Pathway, or Employability assessment.

Please see [www.nocti.org](http://www.nocti.org) for more information.