

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):

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Amount determined by Penn College)

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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):

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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 for more information.