# Business & Technology Division Degree Plan

## PRECISION MANUFACTURING TECHNOLOGY
Associate of Applied Science

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<tr>
<th>STUDENT NAME</th>
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<tr>
<td>ADDRESS</td>
<td>CITY, STATE, &amp; ZIP CODE</td>
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<td>TELEPHONE (DAY)</td>
<td>EVE</td>
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**PLACEMENT TESTING:**

- **Alternative Exam:**
  - Accuplacer/ASSET/COMPASS/THEA
  - ACT
  - SAT

**DEVELOPMENTAL COURSES (enter grade):**

- **Reading:** None
  - READ 70
  - READ 80
  - READ 90
- **Writing:** None
  - ENGL 71
  - ENGL 81
  - ENGL 91
- **Math:** None
  - MATH 80
  - MATH 85
  - MATH 90

## 2014-2015

### FIRST YEAR - FALL SEMESTER

- **DFTG 1425** Blueprint Reading and Sketching
- **MCHN 1438** Basic Machine Shop I
- **MCHN 1301** Beginning Machine Shop
- **MCHN 1320** Precision Tools and Measurements

### FIRST YEAR - SPRING SEMESTER

- **DFTG 1313** Drafting for Specific Occupations
- **MCHN 1452** Intermediate Machining I
- **DEM 1301** Shop Safety and Procedures
- **MCHN 2403** Fundamentals of Computer Numerical Controlled (CNC) Machine Controls

### FIRST YEAR - SUMMER SEMESTER

- **ENGL 1301** Composition
- **SPCH 1311** Introduction to Speech Communication
- **Social / Behavioral Science Elective**

### SECOND YEAR - FALL SEMESTER

- **MCHN 1319** Manufacturing Material and Processes
- **MCHN 1326** Intro to Computer-Aided Manufacturing (CAM)
- **MCHN 2547** Specialized Tools and Fixtures
- **MCHN 2341** Advanced Machining I
- **Humanities Elective**
- **Program Elective**
- **Mathematics / Natural Sciences Elective**

### SECOND YEAR - SPRING SEMESTER

- **MCHN 2382** CAPSTONE: Cooperative Education II

**IDENTIFIES COURSES TO FULFILL MINIMUM 15 HOURS GENERAL EDUCATION REQUIREMENT**

**See back of degree plan for Program Elective Options**

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<th>STUDENT’S SIGNATURE</th>
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2014-2015  Precision Manufacturing Technology, Associate of Applied Science

**PRE-REQUISITES:**

**DFTG 1425**  **BLUEPRINT READING AND SKETCHING**
Prerequisite: None.

**MCHN 1438**  **BASIC MACHINE SHOP I**
Prerequisite: None.

**MCHN 1301**  **BEGINNING MACHINE SHOP**
Prerequisite: None.

**MCHN 1320**  **PRECISION TOOLS AND MEASUREMENT**
Prerequisite: None.

**DFTG 1313**  **DRAFTING FOR SPECIFIC OCCUPATIONS**
Prerequisite: DFTG 1425.

**MCHN 1452**  **INTERMEDIATE MACHINING I**
Prerequisite: DFTG 1425, MCHN 1438.

**DEM 1301**  **SHOP SAFETY AND PROCEDURES**
Prerequisite: None.

**MCHN 2403**  **FUNDAMENTALS OF COMPUTER NUMERICAL CONTROLLED (CNC) MACHINE CONTROLS**
Prerequisite: MCHN 1452, DFTG 1313, MCHN 1438.

**ENGL 1301**  **COMPOSITION**
Prerequisite: TSI complete in Reading and Writing; or completion of ENGL 0200 and READ 0200
with a grade of "C" or better; or completion of INRW 0304 with a grade of "C" or better.

**SPCH 1311**  **INTRODUCTION TO SPEECH COMMUNICATION**
Prerequisite: Completion of READ 0200 or equivalent.

**MCHN 1319**  **MANUFACTURING MATERIAL AND PROCESSES**
Prerequisite: MCHN 1301, MCHN 1438, DFTG 1425.

**MCHN 1326**  **INTRODUCTION TO COMPUTER-AIDED MANUFACTURING (CAM)**
Prerequisite: DFTG 1313, DFTG 1425.

**MCHN 2547**  **SPECIALIZED TOOLS AND FIXTURES**
Prerequisite: DFTG 1313, MCHN 2341, MCHN 1452.

**MCHN 2341**  **ADVANCED MACHINING I**
Prerequisite: MCHN 1452.

**MCHN 2382**  **CAPSTONE: COOPERATIVE EDUCATION II**
Prerequisite: MCHN 1382.

**SOCIAL / BEHAVIORAL SCIENCES ELECTIVE - 3 CREDITS** (Depending on the course, check the catalog
for pre-requisites.)

**MATHEMATICS / NATURAL SCIENCES ELECTIVE - 3-4 CREDITS** (Depending on the course, check the catalog
for pre-requisites.)

**HUMANITIES ELECTIVE - 3 CREDITS** (Depending on the course, check the catalog for pre-requisites.)

**PRE-REQUISITES FOR PROGRAM ELECTIVES:**

**PLTC 1445**  **PLASTIC PROCESSES I**
Prerequisite: None.

**PLTC 2346**  **PLASTIC PROCESSES II**
Prerequisite: PLTC 1445.

**MCHN 2345**  **ADVANCED MACHINING II**
Prerequisite: MCHN 2341.

**DFTG 2402**  **MACHINE DRAFTING**
Prerequisite: DFTG 1313.

**MCHN 2344**  **COMPUTERIZED NUMERICAL CONTROL PROGRAMMING**
Prerequisite: MCHN 2403.