

**EDINBORO UNIVERSITY OF PENNSYLVANIA**  
**CURRICULUM REQUIREMENTS**  
 Associate of Engineering Technology Degree  
 Major: Manufacturing Engineering Technology (0244)

Student: \_\_\_\_\_ ID# @ \_\_\_\_\_ Term: \_\_\_\_\_

**I. GENERAL EDUCATION (22 SH)**

|                                    | SH | Grade | Date |
|------------------------------------|----|-------|------|
| <b>A. Skills ..... (9 SH)</b>      |    |       |      |
| ENGL101 College Writing Skills     | 3  |       |      |
| CSCI 104 Essentials of Computing I | 3  |       |      |
| MATH105 College Algebra            | 3  |       |      |

**B. Core ..... (13 SH)**

(Students must take PHYS201 for Core 7. In addition, students must select one approved course **from three (3)** different Core categories listed below.

|  |   |  |  |
|--|---|--|--|
| <b>1. Artistic Expression (3 SH)</b>                       |   |  |  |
| <b>2. World Civilizations (3 SH)</b>                       |   |  |  |
| <b>3. American Civilizations (3 SH)</b>                    |   |  |  |
| <b>4. Human Behavior (3 SH)</b>                            |   |  |  |
| <b>5. Cultural Diversity &amp; Social Pluralism (3 SH)</b> |   |  |  |
| <b>6. Ethics (3 SH)</b>                                    |   |  |  |
| <b>7. Natural Science and Mathematics (4 SH)</b>           |   |  |  |
| PHYS 201 Physics I   | 4 |  |  |

**II. CAREER FOUNDATION (10 SH)**

|                                | SH | Grade | Date |
|--------------------------------|----|-------|------|
| ENGR201 Eng. Graphics & Design | 3  |       |      |
| MATH106 Trigonometry           | 3  |       |      |
| PHYS202 Physics II             | 4  |       |      |

**III. MET SPECIALIZATION (19 SH)**

|   | SH | Grade | Date |
|---|----|-------|------|
| MFGT100 Manufacturing Processes               | 4  |       |      |
| MFGT105 Engineering Materials                 | 3  |       |      |
| MFGT201 Quality Control                       | 3  |       |      |
| MFGT225 Statistics and Strengths of Materials | 3  |       |      |
| MFGT302 Computer Aided Drafting               | 3  |       |      |
| MFGT309 Mold Design**                         | 3  |       |      |

*\*\* Other MFGT design or elective course may substitute*

**IV. MANUFACTURING ELECTIVES (9 SH)**

| Select from the following:          | SH | Grade | Date |
|-------------------------------------|----|-------|------|
| MFGT 215 Machine Design             | 3  |       |      |
| MFGT 306 Strengths of Materials Lab | 3  |       |      |
| MFGT 310 Advanced Mold Design       | 3  |       |      |
| MFGT 311 Rapid Prototyping          | 3  |       |      |
| MFGT 315 Op. Planning in Mfg.       | 3  |       |      |
| MFGT 320 Cost Estimating            | 3  |       |      |
| MFGT 365 Die Design                 | 3  |       |      |
| MFGT 370 Motion and Time Study      | 3  |       |      |
| MFGT 375 Computer Aided Mfg.        | 3  |       |      |
| MFGT 404 Systems Control            | 3  |       |      |
| MFGT 405 Introduction to Robotics   | 3  |       |      |
| MFGT 410 Fluid Power                | 3  |       |      |
| MFGT 420 Material Handling          | 3  |       |      |
| MFGT 435 Applied Heat Transfer      | 3  |       |      |

**TOTAL (60 SH)**

**THIS IS NOT AN OFFICIAL TRANSCRIPT  
OF RECORD**