# Millersville University

**NEW option in B.S. Industrial Technology: Nanofabrication Manufacturing Technology**

<table>
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<tr>
<th>Curriculum</th>
<th>Analysis/Implications</th>
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<td>BS ITEC Major Field Requirements</td>
<td>The new option has resulted from the participation of Millersville University and the Industry and Technology department in the PA Collaborative for Applied Nanotechnology and the Susquehanna Valley 2+2+2 Advanced Manufacturing Alliance grant.</td>
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<td>NMT Technical Option (30 credits)</td>
<td>The option is designed to prepare individuals with the knowledge, skills, and dispositions for technically oriented managerial careers in nanotechnology. The technical component of this program focuses on the design, manufacture, and application of nanofabricated materials and products, while the management component provides the background for supervising the resources, processes, and outcomes of nanofabrication systems.</td>
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### Elective Courses

Electives may be used to satisfy pre-requisites, or to take courses of general interest, additional courses in ITEC, or courses in related disciplines to bring total completed semester hours to 120 credits or higher.

### General Education (51-54 credits)

- **G1 Requirements (12 credits)**
  - Science (6-8 credits) Choose one of the three combinations:
    - CHEM 103, 104 (total 6 credits) OR
    - CHEM 111, BIOL 100 (total 7 credits) OR
    - CHEM 111, PHYS 103 (total 8 credits)
  - Mathematics (6-7 credits)
    - MATH 130 (3) AND one of the following:
      - MATH 151 (4 cr), 160 (4 cr), 161 (4 cr), 236 (3 cr)

- **G2 Requirements (12 credits)**
  - ENGL 110, COMM 100, P, AW (ENGL 312 or 316), WELL Requirements
  - (15 credits)