Early College Career Pathways: Introduction to STEM

Delivery: On-campus or hybrid  Credits: 15

Program Requirements:

- ENG 101: Composition
- MAT 122: Precalculus or higher

*Courses marked with an asterisk are delivered on-campus only.

In addition, take required courses from one of four pathway concentrations:

<table>
<thead>
<tr>
<th>Biology</th>
<th>Physics</th>
<th>Engineering</th>
<th>Chemistry</th>
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</thead>
<tbody>
<tr>
<td>BIO 117: This is Life!</td>
<td>PHY 111: Physics I*</td>
<td>PHY 121: Physics for Engineers and Scientists I*</td>
<td>CHY 101: General Chemistry I*</td>
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<tr>
<td>BIO 118: Animal Life*</td>
<td>PHY 112: Physics II*</td>
<td>PHY 122: Physics for Engineers and Scientists II*</td>
<td>CHY 102: General Chemistry II*</td>
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<tr>
<td>BIO 119: Plant Life*</td>
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The Early College Introduction to STEM (Science, Technology, Engineering and Math) Pathway is designed to give students a set of introductory-level STEM college credits.

This pathway may lead to programs in a variety of majors at UMaine Machias, including:

- B.A. in Biology with concentrations in:
  - Fisheries Biology
  - Wildlife Biology
  - Pre-Professional
- B.S. in Marine Biology with concentrations in:
  - Marine Ecology
  - Aquaculture
  - Coastal Conservation
- A.A. in Liberal Studies with a concentration in:
  - Allied Health
  - Aquaculture
  - Marine Biology
- Engineering Pathways, a 1+3 transfer program leading to majors at UMaine or USM:
  - Biomedical Engineering (UMaine)
  - Chemical Engineering (UMaine)
  - Civil Engineering (UMaine)
  - Computer Engineering (UMaine)
  - Construction Engineering Technology (UMaine)
  - Electrical Engineering (UMaine, USM)
  - Electrical Engineering Technology (UMaine)
  - Mechanical Engineering (UMaine, USM)
  - Mechanical Engineering Technology (UMaine)
  - Survey Engineering Technology (UMaine)

Get a Head Start on Your College Degree!
Sign up at machias.edu/earlycollege
For more information contact 207.255.1268 or ummearlycollege@maine.edu

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