**Early College Pathways: Introduction to STEM**

**Program Requirements:**

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

<table>
<thead>
<tr>
<th>Biology</th>
<th>Engineering</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 117: This is Life!</td>
<td>PHY 121: Physics for Engineers and Scientists I*</td>
<td>CHY 101: General Chemistry I*</td>
</tr>
<tr>
<td>BIO 118: Animal Life*</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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<tr>
<td>Physics</td>
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<tr>
<td>PHY 111: Physics I*</td>
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<tr>
<td>PHY 112: Physics II*</td>
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</tbody>
</table>

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

**Credits: 15**

**Delivery: On-Campus or Hybrid**

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 the following programs at UMM:**

- **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 (UM)
  - Chemical Engineering (UM)
  - Civil Engineering (UM)
  - Computer Engineering (UM)
  - Construction Engineering Technology (UM)
  - Electrical Engineering (UM, USM)
  - Electrical Engineering Technology (UM)
  - Mechanical Engineering (UM, USM)
  - Mechanical Engineering Technology (UM)
  - Survey Engineering Technology (UM)

Get a head start on your UMM degree! **Sign up today at machias.edu/earlycollege**

For more information contact 207.255.1268 or ummearlycollege@maine.edu

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