Coatings and Polymeric Materials

Department Information

- **Department Location:** Research 1
- **Department Phone:** 701-231-7633
- **Department Web Site:** www.ndsu.edu/cpm/ (http://www.ndsu.edu/cpm/)
- **Credential Offered:** Minor
- **Program Overview:** bulletin.ndsu.edu/programs-study/undergraduate/coatings-polymeric-materials/ (http://bulletin.ndsu.edu/programs-study/undergraduate/coatings-polymeric-materials/)

**Minor Requirements**

**Minor: Coatings & Polymeric Materials**

Required Credits: 16

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPM 475</td>
<td>Coatings' Materials Science</td>
<td>3</td>
</tr>
<tr>
<td>CPM 474</td>
<td>Applied Polymer Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one lab course from the following:</td>
<td>1-2</td>
</tr>
<tr>
<td>CPM 483</td>
<td>Polymer Practicum</td>
<td></td>
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<tr>
<td>CPM 484</td>
<td>Coatings I Laboratory</td>
<td></td>
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<tr>
<td>CPM 485</td>
<td>Coatings II Laboratory</td>
<td></td>
</tr>
<tr>
<td>CPM 487</td>
<td>Corrosion and Materials Laboratory</td>
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</tbody>
</table>

**Elective Courses:** Select 9 credits from the following (if CPM 487 was completed, select 8 credits) 9

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHEM 240</td>
<td>Survey of Organic Chemistry ²†</td>
<td></td>
</tr>
<tr>
<td>CHEM 341</td>
<td>Organic Chemistry I ¹*</td>
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</tr>
<tr>
<td>CHEM 341L</td>
<td>Organic Chemistry I Laboratory ¹*</td>
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<tr>
<td>CHEM 342</td>
<td>Organic Chemistry II ¹†</td>
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</tr>
<tr>
<td>CHEM 342L</td>
<td>Organic Chemistry II Laboratory ¹*</td>
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<tr>
<td>CPM 436</td>
<td>Biopolymers and Biocomposites</td>
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<tr>
<td>CPM 451</td>
<td>Laboratory, Chemical, Radiation, and Biological Safety</td>
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<tr>
<td>CPM 472</td>
<td>Environment and Chemical Industries</td>
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<tr>
<td>CPM 473</td>
<td>Polymer Synthesis ³</td>
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<tr>
<td>CPM 483</td>
<td>Polymer Practicum</td>
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<tr>
<td>CPM 485</td>
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<tr>
<td>CPM 486</td>
<td>Corrosion and Materials</td>
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</tr>
<tr>
<td>CPM 487</td>
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</tr>
</tbody>
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Total Credits 16-17

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1. If CHEM 341 & 341L and CHEM 342 & CHEM 342L are required for a student’s major program of study, these credits cannot count toward the CPM minor.

2. If CHEM 240 is required for the student’s major degree, the credits cannot also count for the CPM minor.

3. Chemistry and Biochemistry & Molecular Biology majors are required to have CPM 473.

* CHEM 353 & CHEM 354 can be substituted for CHEM 341L & CHEM 342L.

† For the CPM minor a student cannot get credit for both CHEM 240 and CHEM 341/342.
Minor Requirements and Notes:

• A minimum of 8 credits must be taken at NDSU.