

# Coatings and Polymeric Materials

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## Department Information

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

## Minor Requirements

### Minor: Coatings & Polymeric Materials

Required Credits: 16

Code	Title	Credits
<b>Required Courses:</b>		
CPM 475	Coatings' Materials Science	3
CPM 474	Applied Polymer Science	3
Select one lab course from the following:		1-2
CPM 483	Polymer Practicum	
CPM 484	Coatings I Laboratory	
CPM 485	Coatings II Laboratory	
CPM 487	Corrosion and Materials Laboratory	
<b>Elective Courses: Select 9 credits from the following (if CPM 487 was completed, select 8 credits)</b>		<b>9</b>
CHEM 240	Survey of Organic Chemistry <sup>2†</sup>	
CHEM 341	Organic Chemistry I <sup>1†</sup>	
CHEM 341L	Organic Chemistry I Laboratory <sup>1*</sup>	
CHEM 342	Organic Chemistry II <sup>1†</sup>	
CHEM 342L	Organic Chemistry II Laboratory <sup>1*</sup>	
CPM 436	Biopolymers and Biocomposites	
CPM 451	Laboratory, Chemical, Radiation, and Biological Safety	
CPM 472	Environment and Chemical Industries	
CPM 473	Polymer Synthesis <sup>3</sup>	
CPM 483	Polymer Practicum	
CPM 484	Coatings I Laboratory	
CPM 485	Coatings II Laboratory	
CPM 486	Corrosion and Materials	
CPM 487	Corrosion and Materials Laboratory	
<b>Total Credits</b>		<b>16-17</b>

<sup>1</sup> 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.

<sup>2</sup> If CHEM 240 is required for the student's major degree, the credits cannot also count for the CPM minor.

<sup>3</sup> 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.