

# Coatings and Polymeric Materials Minor

## Minor Requirements

Minimum Credits Required: 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	
Elective Courses: Select 9 credits from the following:		9
CHEM 240	Survey of Organic Chemistry <sup>2,5</sup>	
CHEM 341	Organic Chemistry I <sup>1,5</sup>	
CHEM 341L	Organic Chemistry I Laboratory <sup>1,4</sup>	
CHEM 342	Organic Chemistry II <sup>1,5</sup>	
CHEM 342L	Organic Chemistry II Laboratory <sup>1,4</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	

**Total Credits** **16-17**

<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.

<sup>4</sup> CHEM 353 & CHEM 354 can be substituted for CHEM 341L & CHEM 342L.

<sup>5</sup> 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.