This graduation plan illustrates the type of curriculum a new student would take to complete a degree in four years. It is not meant to serve as an official document. Students should contact their academic adviser or the PSChE Department to develop a personalized plan of study. Refer to the University Catalog for a complete list of requirements: [https://catalog.uwsp.edu/](https://catalog.uwsp.edu/).

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credits</th>
<th>Semester 2</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Paper Sci. &amp; Engr. 105: Freshman Forum (Fa)</strong></td>
<td>1</td>
<td>+Chemistry 106: Fundamental Chemistry (NSC)</td>
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<tr>
<td>+Chemistry 105: Fundamental Chemistry (NSC)</td>
<td>5</td>
<td>Math 226: Calculus II</td>
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<td>Math 225: Calculus I (QL)</td>
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<td>GEP Critical Thinking Course (CT)</td>
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<td>*General Education Program Course (ART/GA)</td>
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<td>Paper Sci. &amp; Engr. 115: Pulp &amp; Paper Lab Methods (Sp)</td>
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<td>English 101: Freshman English (WC)</td>
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<td>Wellness (WLN)</td>
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<tr>
<td>+Chemistry 325: Organic Chemistry</td>
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<td>+Chemistry 248: Quantitative Analysis</td>
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<tr>
<td>Math 227: Calculus III</td>
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<td>+Chemistry 326: Organic Chemistry</td>
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<td>Physics 240: University Physics I (NSC)</td>
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<td>Physics 250: University Physics II (NSC)</td>
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<td>Econ 110: Introduction to Macroeconomics (SS)</td>
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Paper Sci. & Engr. 300, Mill Internship, 1 credit

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<th>Semester 5</th>
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<tr>
<td>+Chemistry 335: Physical Chemistry (Fa)</td>
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<td>Paper Sci. &amp; Engr. 385: Systems Engr. &amp; Simulation (Sp)</td>
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<th>Semester 8</th>
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<tr>
<td>Paper Sci. &amp; Engr. 430: Mass Transfer Operations (Fa)</td>
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<td>Paper Sci. &amp; Engr. 440: Industrial Thermodynamics (Sp)</td>
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<td>Paper Sci. &amp; Engr. 460: Process Dynamics &amp; Control (Fa)</td>
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<td>Paper Sci. &amp; Engr./Wste 489: Industrial Environ Mgmt (Sp)</td>
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<td>Paper Sci. &amp; Engr. 484: Senior Design Project: PSE (Fa)</td>
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<td>*General Education Program Course (HU/ER)</td>
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</table>

(Fa) = offered fall semesters only  (Sp) = offered spring semesters only (Note: Class terms are subject to change.)

General Education Program (GEP) category abbreviations: Written Communication (WC), Oral Communication (OC), Quantitative Literacy (QL), Wellness (WLN), Arts (ART), Humanities (HU), Social Sciences (SS), Natural Sciences (NSC), Environmental Responsibility (ER), U.S. Diversity (US), Global Awareness (GA).

*Some courses may be able to satisfy two GEP requirements. Review course catalog for complete degree requirements.

**Not required but highly recommended.

+These courses satisfy the requirements for a Chemistry Minor.