



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/>.

Semester 1	Credits	Semester 2	Credits
**Paper Sci. & Engr. 105: Freshman Forum (Fa)	1	+Chemistry 106: Fundamental Chemistry (NSC)	5
+Chemistry 105: Fundamental Chemistry (NSC)	5	Math 226: Calculus II	5
Math 225: Calculus I (QL)	5	GEP Critical Thinking Course (CT)	3
*General Education Program Course (ART/GA)	3	Paper Sci. & Engr. 115: Pulp & Paper Lab Methods (Sp)	3
English 101: Freshman English (WC)	3	Wellness (WLN)	1-2
<b>Total credits</b>	<b>17</b>	<b>Total credits</b>	<b>17-18</b>
Semester 3	Credits	Semester 4	Credits
+Chemistry 325: Organic Chemistry	4	+Chemistry 248: Quantitative Analysis	4
Math 227: Calculus III	4	+Chemistry 326: Organic Chemistry	4
Physics 240: University Physics I (NSC)	5	Physics 250: University Physics II (NSC)	5
Paper Sci. & Engr. 215: Intro to Process Engr. Calcs. (Fa)	4	English 202: Sophomore English (WC)	3
		Econ 110: Introduction to Macroeconomics (SS)	3
<b>Total credits</b>	<b>17</b>	<b>Total credits</b>	<b>19</b>

*Paper Sci. & Engr. 300, Mill Internship, 1 credit*

Semester 5	Credits	Semester 6	Credits
Paper Sci. & Engr. 316: Engr Econ and Project Mgmt (Fa)	3	Paper Sci. & Engr. 326: Heat Transfer Operations (Sp)	3
Paper Sci. & Engr. 320: Fluid Mech. & Hydraulics (Fa)	3	Paper Sci. & Engr. 355: Paper & Fiber Physics (Sp)	4
Paper Sci. & Engr. 350: Wood & Pulping Tech. (Fa)	4	Paper Sci. & Engr. 365: Colloid & Surface Phenomena (Sp)	3
+Chemistry 335: Physical Chemistry (Fa)	4	Paper Sci. & Engr. 385: Systems Engr. & Simulation (Sp)	3
Math 320: Differential Equations	3	Math 255: Elementary Statistics	4
<b>Total credits</b>	<b>17</b>	<b>Total credits</b>	<b>17</b>
Semester 7	Credits	Semester 8	Credits
Paper Sci. & Engr. 430: Mass Transfer Operations (Fa)	3	Paper Sci. & Engr. 440: Industrial Thermodynamics (Sp)	3
Paper Sci. & Engr. 460: Process Dynamics & Control (Fa)	3	Paper Sci. & Engr./Wste 489: Industrial Environ Mgmt (Sp)	3
Paper Sci. & Engr. 475: Paper Machine Operations (Fa)	3	**Paper Sci. & Engr. 445: Paper Coating & Converting (Sp)	3
Paper Sci. & Engr. 484: Senior Design Project: PSE (Fa)	3	*General Education Program Course (HP/USD)	3
*General Education Program Course (HU/ER)	3		
<b>Total credits</b>	<b>15</b>	<b>Total credits</b>	<b>12</b>

(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.