University of Wisconsin Stevens Point

Sample Graduation Plan
Chemical Engineering (BS)

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 and your individual plan may be slightly different from this**. Students should contact their academic adviser or the CNR Student Success Center if they need assistance developing a personalized plan of study. Refer to the University Catalog for a complete list of requirements: https://catalog.uwsp.edu/.

Semester 1	Credits
PSEN 105: Freshman Forum (Fa)	1
+CHEM 105: Fundamental Chemistry (NSWL)	5
MATH 225: Calculus I (MQR)	5
Arts CGER (HA-A)	3
ENGL 101: Academic Reading and Writing (CL-WC)	3
Total credits	**17**

Semester 2	Credits
PSEN 117: Introduction to Process Engineering (Sp)	4
+CHEM 106: Fundamental Chemistry (NSWL)	5
MATH 226: Calculus II	5
ECON 110: Principles of Macroeconomics (SBS-S)	3
Total credits	**17**

Semester 3	Credits
PSEN 215: Intro to Process Engineering Calculations (Fa)	4
+CHEM 325: Organic Chemistry	4
MATH 227: Calculus III	4
PHYS 240: University Physics I (NSWL)	5
Total credits	**17**

+Semester 4	Credits
+CHEM 248: Quantitative Analysis	4
+CHEM 326: Organic Chemistry	4
PHYS 250: University Physics II	5
ENGL 202: Academic Writing and Research (CL-WC)	3
Total credits	**16**

Semester 5	Credits
PSEN 316: Engineering Economics and Project Mgt (Fa)	3
PSEN 320: Fluid Mechanics and Hydraulics (Fa)	3
PSEN 350: Pulping and Chemical Manufacturing Tech (Fa)	4
MATH 320: Differential Equations	3
+CHEM 335: Physical Chemistry – Thermodynamics and Kinetics (Fa)	4
Total credits	**17**

Semester 6	Credits
PSEN 326: Heat Transfer Operations (Sp)	3
PSEN 340: Chemical Kinetics and Reactor Design (Sp)	3
PSEN 385: Systems Engineering and Simulation (Sp)	3
MATH 255: Elementary Statistical Methods (NSWL)	4
Humanities CGER (HA-H)	3
Total credits	**16**

2.00 GPA in major required for graduation (and a 2.0 cumulative).
Apply for graduation one semester before you plan to graduate.

Semester 7	Credits
PSEN 430: Mass Transfer Operations (Fa)	3
PSEN 460: Process Dynamics and Control (Fa)	3
Chemical Engineering Directed Elective (See catalog)	3
Historical Perspectives CGER (SBS-HP)	3
Civics & Perspectives CGER (CP)	3
Total credits	**15**

Semester 8	Credits
PSEN 440: Industrial Thermodynamics (Sp)	3
PSEN 486: Senior Design Project: ChE (Sp)	3
PSEN 489: Industrial Environmental Management (Sp)	3
Civics & Perspectives CGER (CP)	3
Critical Thinking CGER (CL-CT)	3
Total credits	**15**

(Fa) = offered Fall semesters (Sp) = offered Spring semesters (Su) = offered only in Summer (Wi) = offered only in Winterim

Core General Education Requirements (CGER): Mathematics & Quantitative Reasoning (MQR); Communication & Literacy (CL) Written Communication (CL-WC), Critical Thinking (CL-CT); **Social & Behavioral Science (SBS)** Social Science (SBS-S), Historical Perspectives (SBS-HP); **Humanities & Arts (HA)** Humanities (HA-H), Arts (HA-A); **Natural Science & Wellness (NSWL & NSW)** Natural Science with a lab (NSWL-NS), Wellness (NSW-W); **Civics & Perspectives (CP).**

+These courses satisfy the requirements for a Chemistry Minor.
Graduation timelines are also affected by placement scores (ex. Math, English, etc.) and additional time may be needed then what is listed above.