

# Academic Fact Sheet

# Wayne State College

## CHEMISTRY SUBJECT ENDORSEMENT (43 Hours)

The Chemistry major is administered by the Physical Sciences and Math Department.

### Facts about the Program

#### *Degrees Offered:*

B.S.

#### *Faculty:*

Sally Harms, Ed.D.

### Career Opportunities

Eligible for certification by the State of Nebraska to teach secondary chemistry.

### Scholarships and Financial Aid

Wayne State College is committed to providing a quality, affordable education for its students. There are several types of financial assistance available for Wayne State students, including grants, loans, work-study and scholarships. The aid packages are composed of money from Pell grants, SEOG grants, SSIG grants, Perkins loans, Stafford student loans, PLUS loans and a variety of scholarships. Contact the Financial Aid Office at (402) 375-7230 for further information.

### Program Description

The courses in Chemistry are for those students who desire a combination of scientific, personal, and professional knowledge which provide a means for them to render a service to a world in which science is of fundamental importance.

The program is laboratory-oriented, utilizes current literature, and reflects modern trends of career opportunities.

In addition to the courses listed on the back of this sheet, students must meet all other requirements for graduation.

**A second subject endorsement area is required for Nebraska state certification.**

### For more information contact:

Physical Sciences and Math Department  
Wayne State College  
Wayne, NE 68787  
(402) 375-7329 or 1-800-228-9972  
pscm@wsc.edu  
www.wsc.edu

**CHEMISTRY SUBJECT ENDORSEMENT (43 Hours)**

Students must complete the listed coursework below in addition to meeting the general education requirements.

A second subject endorsement is required for Nebraska state certification. **Students may need to take some summer classes to complete requirements for this endorsement. Check class schedules for summer offerings.**

\* Identifies core courses.

**FRESHMAN YEAR**

* CHE 106	General Chemistry I	4	MAT 130	Pre-Calculus	5
* BIO 110	Biology Concepts	4	* CHE 107	General Chemistry II	4
Electives	General Education	4-6	EDU 201	Intro to Professional Education	3
			Electives	General Education	3-4

**SOPHOMORE YEAR**

** EAS 110	Intro to Meteorology <u>OR</u>		** EAS 110	Intro to Meteorology <u>OR</u>	
EAS 120	Intro to Geology	4	EAS 120	Intro to Geology	4
SPD 151	Intro to Special Education	3	CHE 208	Intro to Organic Chemistry	4
EDU 211	Child Growth & Development	3	EDU 310	Reading & Writing in the Middle School	1
* PHY 201	General Physics I	3	EDU 367	Human Relations	3
* PHY 321	General Physics I Lab	1	Electives	General Education	3-6

**JUNIOR YEAR**

* CHE 393	Chem Lab Techniques	1	CHE	Elective	8
CHE 326	Biochemistry I	4	EDU 400	Secondary Schools	2
* CHE 305	Analytical Chemistry	4	EDU 322	Secondary Ed Practicum	1
EDU 321	Educational Psychology	3	EDU 367	Human Relations	3
			Electives	General Education	3

**SENIOR YEAR**

CHE 456	Physical Chemistry	3	EDU 410	Student Teaching	12
EDU 409	Science Content: Methods & Materials	2			
EDU 323	Content Area Practicum	1			
CHE 493	Laboratory Management	1			

\*\* EAS 110 Intro to Meteorology is only offered during falls semesters. EAS 120 Intro to Geology is only offered during spring semesters.