

# Academic Fact Sheet

# Wayne State College

## CHEMISTRY MAJOR (53 Hours) (Chemical Sciences Concentration)

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

### Facts about the Program

#### *Degrees Offered:*

B.A.  
B.S.

#### *Faculty:*

Darius Agoumba, Ph.D.  
Mary Ettel, Ph.D.  
Paul Karr, Ph.D.  
David Peitz, Ph.D.  
Sharmin Sikich, Ph.D.

### Career Opportunities

Pre-Professional Health Care and Industrial Areas, Business and Industry, Graduate School.

### 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.

### 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

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

#### FRESHMAN YEAR

CHE 106	General Chemistry I	4	CHE 107	General Chemistry II	4
* MAT 130	PreCalculus	5	MAT 140	Calculus I	5
BIO 110	Biology Concepts	4			

#### SOPHOMORE YEAR

CHE 314	Organic Chemistry I	4	CHE 315	Organic Chemistry II	4
CHE 370	Intro to Research	1	CHE 470	Research Project	1
PHY 201	College Physics OR	3	PHY 202	General Physics II OR	3
PHY 301	University Physics I	3	PHY 302	University Physics II	3
PHY 321	General Physics I Lab	1	PHY 321	Physics II Lab	1

#### JUNIOR YEAR

CHE 305	Analytical Chemistry	4	CHE 380	Instrumental Methods	4
CHE 456	Physical Chemistry I	3	CHE 457	Physical Chemistry II	3
			CHE 458	Physical Chemistry Lab	1

#### SENIOR YEAR

CHE 390	Inorganic Chemistry	3	CHE 493	Laboratory Management	1
CHE 393	Laboratory Techniques	1	CHE	Elective	3
CHE	Elective	4			

\* Take only if not prepared for MAT 140 Calculus I

\*\* Strongly recommend that students wishing to pursue a graduate degree in chemistry also take: MAT 240, 250 and 340.