

Academic Fact Sheet

Wayne State College

NATURAL SCIENCE FIELD ENDORSEMENT (66 Hours)

The Natural Science endorsement is administered by the Physical Sciences and Math Department.

Facts about the Program

Degrees Offered:

B.S.
B.A.

Faculty:

Sally Harms, Ed.D.
Todd Young, Ph.D.

Program Description

The Field Endorsement in Natural Science will qualify the student to teach courses in Biology (life science), Chemistry, Earth Science, General Science, Physical Science, and Physics for grades 7-12 in Nebraska. No additional endorsement is required for a Nebraska Teaching Certificate.

The student must meet all other requirements for graduation in addition to the courses listed on the back side of this sheet.

Career Opportunities

Eligible for certification by the State of Nebraska to teach science. It is a broad field endorsement for grades 7-12.

Special Offerings

Workshops
Field Courses

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.

Scholarships in the department include:
W.G. Ingram Memorial Scholarship
Louise Wendt Lundquist Memorial Scholarship
Maier Science Scholarship

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

NATURAL SCIENCE FIELD ENDORSEMENT (66 Hours)

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

Completion of a total of 66 hours of Biology, Chemistry, Earth Science, Natural Science and Physics to include:

- A minimum of 24 hours in one area
- A minimum of 15 hours in two other areas
- A minimum of 12 hours in a fourth area

At least 24 credit hours must be numbered 300 or above. Natural Science students must complete MAT 130 Pre Calculus (5) to satisfy the math requirement.

*Identifies core courses. **Students may need to take summer classes to complete the requirements for the endorsement.**

Check class schedules for summer offerings.

FRESHMAN YEAR

1st Semester				2nd Semester			
*CHE	106	General Chemistry I	4	*CHE	107	General Chemistry II	4
*BIO	110	Biology Concepts	4	EDU	201	Intro to Professional Education	3
*EAS	110	Intro to Meteorology	4	*BIO	200	Zoology	4
MAT	130	Pre-Calculus	5	Electives		General Education	3-6

SOPHOMORE YEAR

3rd Semester				4th Semester			
*PHY	201	General Physics I	3	CHE	208	Intro to Organic Chemistry	4
*PHY	321	Physics I Lab	1	*PHY	202	General Physics II	3
EDU	211	Child & Adolescent Growth & Development	3	*PHY	322	Physics II Lab	1
BIO	210	Botany OR BIO 220, 300	4	EDU	310	Reading & Writing in the Middle School	1
SPD	151	Intro to Special Education	3	Electives			6
Electives			3				

JUNIOR YEAR

5th Semester				6th Semester			
PHY	346	Mechanics OR		*EAS	120	Intro to Geology	4
PHY	356	Electricity & Magnetism	3	BIO	320	Genetics OR BIO Elective	4
CHE	305	Analytical Chemistry	4	*BIO	393	Lab Techniques	1
BIO	220	Human Anatomy OR		PHY	356	Electricity & Magnetism OR	
BIO	221	Physiology	4	PHY	346	Mechanics	3
*CHE	393	Laboratory Techniques	1	*PHY	393	Lab Techniques	1
BIO	325	Ecology	3	EDU	322	Secondary Ed Practicum	1
EDU	321	Educational Psychology	3	EDU	400	Secondary Schools	2

SENIOR YEAR

7th Semester				8th Semester			
EDU	409	Science Content: Methods & Materials	2	BIO, CHE, PHY, EAS Electives to complete program			
EDU	323	Content Area Practicum	1				
EAS	301	Astronomy OR EAS Elective	4				
EDU	367	Human Relations	3				
9th Semester							
EDU	410	Student Teaching	12				