

# Academic Fact Sheet

# Wayne State College

## PHYSICAL SCIENCE FIELD ENDORSEMENT (56 Hours)

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

### Facts about the Program

#### *Degrees Offered:*

B.S.

#### *Faculty:*

Sally Harms, Ed.D.

Todd Young, Ph.D.

### Career Opportunities

Eligible for certification by State of Nebraska to teach Physical Science in grades 7-12.

### Special Offerings

Workshops

Field Courses

### Program Description

The field endorsement in Physical Science will qualify the student to teach chemistry, earth science, physics, and physical science for grades 7-12 in Nebraska.

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

### 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.

### 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

**PHYSICAL SCIENCE FIELD ENDORSEMENT (56 Hours)**

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

Completion of a total of 56 hours in Chemistry, Earth Science, Natural Science and Physics to include:

- A minimum of 18 hours in one area
- A minimum of 15 hours in other areas
- A minimum of 12 hours in a third area
- A minimum of 6 hours in Biology
- 5 hours of science electives

Physical Science endorsement students must complete MAT 130 Pre Calculus (5) to satisfy the math general education requirement. \*Identifies science core courses. **Students may need to take summer classes to complete the requirements for this endorsement in four years. Check class schedules for summer offerings in each division.**

**FRESHMAN YEAR**

**1st Semester**

*CHE	106	General Chemistry I	4
*BIO	110	Biology Concepts	4
MAT	130	Pre-Calculus	5

**2nd Semester**

*CHE	107	General Chemistry II	4
EDU	201	Intro to Professional Education	3
*BIO	200	Zoology	4

**SOPHOMORE YEAR**

**3rd Semester**

*PHY	201	General Physics I	3
*PHY	321	General Physics I Lab	1
EDU	211	Child & Adolescent Growth & Development	3
SPD	151	Intro to Special Education	3
*EAS	110	Intro to Meteorology	4

**4th Semester**

CHE	208	Intro to Organic Chemistry OR	4
CHE	314	Organic Chem I	
EDU	310	Reading & Writing in the Middle School	1
*EAS	120	Intro to Geology	4
*PHY	202	General Physics II	3
*PHY	322	General Physics II Lab	1

**JUNIOR YEAR**

**5th Semester**

*CHE	393	Laboratory Techniques	1
PHY	346	Mechanics <b>OR</b>	
PHY	356	Electricity and Magnetism	3
CHE	305	Analytical Chemistry	4
CHE	326	Biochemistry	4
EAS	393	Lab Techniques	1
EDU	321	Educational Psychology	3

**6th Semester**

EDU	322	Secondary Ed Practicum	1
EDU	400	Secondary Schools	2
EDU	367	Human Relations: Individual & Society	3
EAS		Elective	4
*PHY	393	Lab Techniques	1

**SENIOR YEAR**

**7th Semester**

EAS	301	Astronomy <b>OR</b> EAS Elective	4
EDU	409	Science Content: Methods & Materials	2
EDU	323	Content Area Practicum	1
CHE or PHY		Electives	3-8

**8th Semester**

EDU	410	Student Teaching	12
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