

# Academic Fact Sheet

# Wayne State College

## FIELD ENDORSEMENT IN MATHEMATICS (42 Hours)

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

### Facts about the Program

#### *Degrees Offered:*

B.A.  
B.S.

#### *Faculty:*

Jeffrey Bauer, Ed.D.  
Tim Hardy, Ph.D.  
Jennifer Langdon, Ph.D.  
Tami Worner, Ph.D.

### Career Opportunities

High school or Junior High school math teachers.

Graduate School

Eligible to apply for a 7-12 teaching certificate in Nebraska, as well as in other states.

### 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 for returning students in the department include:

Frank Prather Scholarship  
A.V. Teed Scholarship  
Hult Scholarship  
Webber Scholarship  
David & Maxine Bobier Scholarship  
Faye Bower Saxton Scholarship

### Program Description

The Mathematics program is intended for those students who desire to (1) teach 7-12 mathematics, (2) pursue advanced studies in mathematics, (3) apply mathematics in some technical field or (4) derive pleasure and profit from the study of mathematics. Emphasis is placed upon the structural aspects of mathematics with manipulation and theory as the two basic components for student achievement. An attempt is made to acquaint the student with the current literature and trends in mathematics.

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

### 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

## MATHEMATICS FIELD ENDORSEMENT (42 Hours)

<u>Fall</u>	<u>hrs</u>	<u>Spring</u>	<u>hrs</u>
MAT 140 Calculus	5	MAT 240 Calculus II	5
		MAT 270 Foundations of Math	3
		MAT 281 Assessment I	0
		MAT 282 Assessment II	0

<u>Fall</u>	<u>hrs</u>	<u>Spring</u>	<u>hrs</u>
MAT 320 College Geometry	3	MAT 250 Differential Equations (rec elective)	3
MAT 340 Calculus III	5	MAT 335 Math Modeling (rec elective)	3

<u>Fall</u>	<u>hrs</u>	<u>Spring</u>	<u>hrs</u>
MAT 305 Discrete Math	3	MAT 350 Linear Algebra	3
MAT 400 Real Analysis	4	MAT 410 Probability and Statistics	4

<u>Fall</u>	<u>hrs</u>	<u>Spring</u>	<u>hrs</u>
MAT 360 Abstract Algebra	4	Student Teaching	
MAT 470 Connections	2		
MAT 471 Connections in Math Ed	2		
MAT 481 Assessment III	0		
MAT 482 Assessment IV	0		

This is a sample schedule illustrating completion of the program. Students' actual schedules will vary based upon their readiness for Calculus and when they begin the program.

In addition to the above, students will have to complete the general education curriculum and the secondary education curriculum.