

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. (Chief Advisor)
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)

CSC 150 Programming Fundamentals I (3 hr) is required of all MATH majors

Year	Fall Even Year (A)	hrs	Spring	hrs
1	MAT 140 Calculus I	5	MAT 240 Calculus II	5
			MAT 270 Foundations	3
2	MAT 320 College Geometry	3	MAT 340 Calculus III	4
	MAT Elective (180, 210, 215, 250)	1 -- 3	MAT Elective (180, 210,215)	1 -- 3
3	MAT 350 Linear Algebra	3	MAT 305 Discrete	3
	MAT 410 Prob & Stat I	3	MAT Elective (415, 440)	
4	MAT 360 Abstract Algebra	3	EDU 410 Student Teaching	12
	MAT 400 Analysis I	3		
	MAT 465 Math Ed Seminar	3		
	EDU 323 Content Practicum	1		
	EDU 409 Math Methods	2		
Year	Fall Odd Year (B)	hrs	Spring	hrs
1	MAT 140 Calculus I	5	MAT 240 Calculus II	5
			MAT 270 Foundations	3
2	MAT 350 Linear Algebra	3	MAT 305 Discrete Math	3
	MAT Elective (180, 210, 215, 250)	1 -- 3	MAT 340 Calculus III	4
3	MAT 320 College Geometry	3	MAT Elective (180, 210, 215, 405)	1 -- 3
	MAT 360 Abstract Algebra	3		
	MAT 400 Analysis I	3		
4	MAT 410 Prob & Stat I	3	EDU 410 Student Teaching	12
	MAT 465 Math Ed Seminar	3		
	EDU 323 Content Practicum	1		
	EDU 409 Math Methods	2		

Notes:

- (a) Upper level courses are on a two year rotation. Students starting in the fall of an even year use the A plan shown above. Students starting in the fall of an odd year use the B plan shown above.
- (b) Students in the A plan can take MAT 415 or MAT 440 to fulfill their mathematics elective in the spring of the 3rd year rather than taking MAT 180, MAT 210, or MAT 215 in the spring of the 2nd year.
- (c) Students may take MAT 210 or MAT 215 for one credit of mathematics elective.
- (d) Students must fulfill the Secondary Education requirements that include passing the PPST exam prior to March of the 2nd year in order to take EDU courses in the 3rd and 4th years.
- (e) Students must take an additional 19 hours of EDU courses that are not listed above. These courses include EDU 201, EDU 211, EDU 310, EDU 321, EDU 322, EDU 367, EDU 400, and SPD 151. Students are to check with their advisor about scheduling these courses.
- (f) Students are also required to complete 44 hours of general education courses. Students are to check with their advisor about scheduling these courses.