# Plan of Study 

## Mathematics

Intermediate Education Specialization
Catalog Year: 2023-2024
Sample Schedule: Students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in four years.

## FIRST YEAR

## First Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
| :--- | :--- | :---: | :---: |
| CSC 105 Intro to Computers | K-12 Ed Tech Minor Requirement | 3 | $\mathrm{~F} / \mathrm{S}$ |
| ENGL 101-Composition I |  | 3 | $\mathrm{~F} / \mathrm{S} / \mathrm{SU}$ |
| EPSY 210 Lifespan Development | Goal 3 General Ed \& COE Req. | 3 | $\mathrm{~F} / \mathrm{S} / \mathrm{SU}$ |
| GS 100: University Experience Math |  | 0 | F |
| MATH 123-Calculus I |  | 4 | $\mathrm{~F} / \mathrm{S}$ |
| Oral Communication Requirement |  | 3 | $\mathrm{~F} / \mathrm{S}$ |
|  | Total Credit Hours | $\mathbf{1 6}$ |  |

## Second Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
| :--- | :--- | :---: | :---: |
| Arts and Humanities Elective \#1 |  | 3 | F/S |
| CIS 123, CIS 130, or CSC 150 | K-12 Ed Tech Minor Requirement | 3 | F/S |
| MATH 201 Intro to Discrete Math | MATH 114, 120, or 123 | 3 | F/S/SU |
| SGR Written Communications (ENGL 201) | Goal 1 General Education | 3 | F/S |
| SPED 100 Intro to Persons with Exceptionalities |  | 3 | F/S/SU |
|  | Total Credit Hours | $\mathbf{1 5}$ |  |

SECOND YEAR

## Third Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
| :--- | :--- | :---: | :---: |
| Arts and Humanities \#2 (different prefix) | Goal 4 General Education | 3 | F/S |
| EDFN 338 Foundations of American Ed | College of Education Requirement | 2 | F/S/SU |
| MATH 361 Geometry or <br> MATH 316 Discrete Mathematics | Interm. Math Specialization Req. <br> Math Requirement | 3 | F Even Years |
| MATH 341 Math Concepts I | Interm. Math Specialization Req. | 3 | F/S |
| Natural Sciences \#1 | Goal 6 General Education | $\mathbf{3 - 4}$ | $\mathrm{F} / \mathrm{SU}$ |
|  | Total Credit Hours | $\mathbf{1 4 - 1 5}$ |  |

## Fourth Semester

\(\left.\begin{array}{|l|l|c|c|}\hline Course \& Prerequisites / Comments \& Credits \& Semester(s) Offered <br>
\hline EPSY 302 Lifespan Development \& College of Education Requirement \& 3 \& F/S/SU <br>
\hline SEED 301 Technology for Math Teachers \& Interm. Math Specialization Req. \& 3 \& \mathrm{~S} <br>
\hline MATH 281 Statistics or \& \begin{array}{l}Math Requirement <br>

MATH 315 Linear Algebra\end{array} \& Math Requirement \& 3\end{array}\right]\)| $\mathrm{F} / \mathrm{S}$ |
| :---: |
| Natural Sciences \#2 |
| Goal 6 General Education |
| GeED 295 Practicum: Pre-Admission |
| College of Education Requirement |

## Fifth Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
| :--- | :--- | :---: | :---: |
| CIS 161 Computer Hardware, Data <br> Communications and Networking | K-12 Ed Tech Minor Requirement | 3 | F/S |
| INED 211 SD American Indian Culture | Goal 3 of General Ed \& COE Req. | 3 | F/S/SU |
| MATH 361 Geometry or <br> MATH 316 Discrete Mathematics | Intermediate Math Specialization Req. <br> Math Requirement | 3 | F Even Years |
| MATH 342 Math Concepts II | Intermediate Math Specialization Req. | 3 | F/S |
| MATH 488 Capstone | Intermediate Math Specialization Req. | 1 | F/S |
| SEED 302 Sec/Middle Content Methods | College of Education Requirement | $\mathbf{2}$ | F |
|  | Total Credit Hours | $\mathbf{1 5}$ | F |

## Sixth Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
| :--- | :--- | :---: | :---: |
| CIS 206, 207, 208, 209, 210 (choose 3) | K-12 Tech Minor Requirement | 3 | $\mathrm{~F} / \mathrm{S} / \mathrm{SU}$ |
| EDFN 300 Survey of Middle Level Education | Intermediate Math Specialization Req. | 1 | $\mathrm{~F} / \mathrm{S} / \mathrm{SU}$ |
| EDFN 365 Computer Based Technology | K-12 Tech Minor Requirement | 3 | $\mathrm{~F} / \mathrm{S} / \mathrm{SU}$ |
| ELED 422 K-8 Science and Math Technology | Intermediate Math Specialization Req. | $\mathbf{2}$ | $\mathrm{F} / \mathrm{S}$ |
| MATH 281 Statistics or <br> MATH 315 Linear Algebra | Math Requirement <br> Math Requirement | 3 | $\mathrm{~F} / \mathrm{S}$ |
| General Elective Credits | Total Credit Hours | $\mathbf{1 5 - 1 6}$ |  |
|  | $\mathbf{3 - 4}$ |  |  |

FOURTH YEAR

## Seventh Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
| :--- | :--- | :--- | :---: |
| EDER 415 Educational Assessment | K-12 Tech Minor Requirement | 2 | F/S |
| SEED 440 Classroom Management | COE Requirement | 2 | F/S |
| SEED 450 Reading and Content Literacy | COE Requirement | 3 | F/S/SU |
| SEED 488 7-12 Student Teaching | COE Requirement | $\mathbf{2}$ | F/S |
| General Elective Credits | $\quad$ Total Credit Hours | $\mathbf{1 2}$ |  |
|  |  |  |  |

## Eighth Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
| :--- | :--- | :---: | :---: |
| EDFN 475 Human Relations | COE Requirement | 3 | F/S/SU |
| SEED 401 Methods of Educational Tech. | K-12 Tech Minor Requirement | 1 | $\mathrm{~F} / \mathrm{S}$ |
| SEED 488 7-12 Student Teaching | COE Requirement | 6 | $\mathrm{~F} / \mathrm{S}$ |
| General Elective Credits | Total Credit Hours | $\mathbf{1 3 - 1 6}$ |  |
|  |  |  |  |

## P = Course Prerequisite

Semester: F = Fall; S = Spring; SU = Summer
Information and course schedules may change. This is not a contract.

