

**Academic Pathways Map**  
**Civil Engineering Transfer to MSU Part Time**  
**A.S. Jumpstart**  
**Engineering and Math**

**Start Here**

| <b>SEMESTER 1</b> |                     | <b>CREDITS</b>       | <b>MILESTONE</b> | <b>✓</b> |
|-------------------|---------------------|----------------------|------------------|----------|
| M171              | Calculus I          | 4                    | *                |          |
| CHMY141           | College Chemistry I | 4                    | *                |          |
| WRIT101           | College Writing I   | 3                    |                  |          |
| COLS101           | First Year Seminar  | 3                    |                  |          |
|                   |                     | <b>TOTAL CREDITS</b> | <b>14</b>        |          |

| <b>SEMESTER 2</b> |                                 | <b>CREDITS</b>       | <b>MILESTONE</b> | <b>✓</b> |
|-------------------|---------------------------------|----------------------|------------------|----------|
| M172              | Calculus II                     | 4                    | *                |          |
| CHMY143           | College Chemistry II            | 4                    | *                |          |
| COMX111           | Introduction to Public Speaking | 3                    | *                |          |
|                   |                                 | <b>TOTAL CREDITS</b> | <b>11</b>        |          |

| <b>SEMESTER 3</b> |                              | <b>CREDITS</b>       | <b>MILESTONE</b> | <b>✓</b> |
|-------------------|------------------------------|----------------------|------------------|----------|
| WRIT201           | College Writing II           | 3                    | *                |          |
| BIOB160           | Principles of Living Systems | 4                    | *                |          |
| PHSX220           | Physics I (w/ Calculus)      | 4                    |                  |          |
|                   |                              | <b>TOTAL CREDITS</b> | <b>11</b>        |          |

| <b>SEMESTER 4</b> |                            | <b>CREDITS</b>       | <b>MILESTONE</b> | <b>✓</b> |
|-------------------|----------------------------|----------------------|------------------|----------|
| PSYX100           | Introduction to Psychology | 3                    |                  |          |
| PHSX222           | Physics II (w/ Calculus)   | 4                    |                  |          |
|                   |                            | <b>TOTAL CREDITS</b> | <b>7</b>         |          |

| <b>SEMESTER 5</b> |                           | <b>CREDITS</b>       | <b>MILESTONE</b> | <b>✓</b> |
|-------------------|---------------------------|----------------------|------------------|----------|
| Choose 1 of 2     | ARTZ105, LIT110           | 3                    |                  |          |
| PHL110            | Problems of Good and Evil | 3                    |                  |          |
|                   |                           | <b>TOTAL CREDITS</b> | <b>6</b>         |          |

| <b>SEMESTER 6</b> |   | <b>CREDITS</b>       | <b>MILESTONE</b> | <b>✓</b> |
|-------------------|---|----------------------|------------------|----------|
| NASX105           | Introduction to Native American Studies | 3                    |                  |          |
| M115              | Probability and Linear Mathematics      | 3                    |                  |          |
|                   |   | <b>TOTAL CREDITS</b> | <b>6</b>         |          |

| SEMESTER 7 |                            | CREDITS | MILESTONE | ✓ |
|------------|----------------------------|---------|-----------|---|
| STAT216    | Introduction to Statistics | 3       |           |   |
| SOCI101    | Introduction to Sociology  | 3       |           |   |

TOTAL CREDITS 6

**You are finished!**

**Pathway Advising Notes:** This is a Jumpstart Pathway. Courses taken at Helena College will transfer to Montana State University and will satisfy most of the coursework required in the first year of the Civil Engineering degree.

- There are some courses that are offered on the MSU campus only which can be taken after transfer
- M273 Multivariable Calculus and M274 Differential can be taken at MSU.
- A grade of C- or better is required in all MSU Core courses
- Some courses may be offered in the Summer.

**Course Advising Notes:** M171: MSU required course

Students not prepared for M 171 their first semester should consider taking M 151 the summer prior

CHMY141: MSU required course

M172: MSU required course

CHMY143: MSU required course

WRIT201: MSU required course

BIOB160: MSU required course

PSYX100: MSU required course

ARTZ105 or LIT110: H&FA course

Recommended courses also offered

at MSU. Any H&FA course will meet

this requirement for HC.

PHL110: H&FA course

PHL 110 strongly encouraged but can choose any Humanities/Fine Arts class approved for transfer. Can be taken any semester.