

# 2019-20 ACADEMIC MAP

## BS - Mathematics Education

TOTAL HRS: 120



\* minimum grade required

|                  |                          | FALL SEMESTER             |        |           |     |        | SPRING SEMESTER            |                        |        |           |     |        |
|------------------|--------------------------|---------------------------|--------|-----------|-----|--------|----------------------------|------------------------|--------|-----------|-----|--------|
|                  | PREFIX                   | COURSE                    | CREDIT | AREA      | GR* | SEM/GR | PREFIX                     | COURSE                 | CREDIT | AREA      | GR* | SEM/GR |
| YEAR 1-Freshman  | ENG 101                  | Composition I             | 3      | Gen Ed    |     |        | ENG 102                    | Composition II         | 3      | Gen Ed    |     |        |
|                  | MAT 105                  | Trigonometry              | 3      | Spec Dgr  |     |        | MAT 252                    | Calculus II            | 3      | Major     |     |        |
|                  | MAT 251                  | Calculus I                | 3      | Major     |     |        | MAT 305                    | Foundations of Math    | 3      | Major     |     |        |
|                  | CIS 205                  | Microcomputer Apps        | 3      | Gen Ed    |     |        | MAT Elective               | (MAT 210 recommended)  | 3      | Major     |     |        |
|                  | FYS 100/300 <sup>1</sup> | Perspectives on Society   | 3      | Gen Ed    |     |        | PSY 101                    | General Psychology     | 3      | Gen Ed    |     |        |
|                  |                          | First Year Seminar        | 1      | Univ Req  |     |        |                            |                        | 15     |           |     |        |
|                  |                          |                           | 16     |           |     |        |                            |                        |        |           |     |        |
|                  |                          |                           |        |           |     |        | CORE exam should be taken. |                        |        |           |     |        |
| YEAR 2-Sophomore | MAT 231                  | Geom, Meas, & Prob        | 3      | Spec Dgr  |     |        | MAT 254                    | Calculus IV            | 3      | Major     |     |        |
|                  | MAT 253                  | Calculus III              | 3      | Major     |     |        | MAT 300                    | Statistics             | 3      | Major     |     |        |
|                  |                          | Lab Science               | 4      | Gen Ed    |     |        |                            | Lab Science            | 4      | Gen Ed    |     |        |
|                  | CSP 340                  | Survey of Except Children | 3      | Spec Dgr  |     |        | EPY 341                    | Educational Psychology | 3      | Spec Dgr  |     |        |
|                  | CUR 300                  | Survey of Ed w/ Field Exp | 3      | Prof Ed   |     |        | CUR 393                    | Classroom Management   | 3      | Prof Ed   |     |        |
|                  |                          |                           | 16     |           |     |        |                            | 16                     |        |           |     |        |
|                  |                          |                           |        |           |     |        | PLT exam should be taken.  |                        |        |           |     |        |
| YEAR 3-Junior    | ENG 200 Level            | Literature                | 3      | Gen Ed    |     |        |                            | General Elective       | 3      | Electives |     |        |
|                  | MAT 411                  | Geometry                  | 3      | Major     |     |        | MAT 415                    | Discrete Mathematics   | 3      | Major     |     |        |
|                  | MAT 442                  | Linear Algebra            | 3      | Major     |     |        | MAT 405                    | History of Mathematics | 3      | Major     |     |        |
|                  | COM 101/202              | Communication Studies     | 3      | Gen Ed    |     |        |                            | Fine Arts              | 3      | Gen Ed    |     |        |
|                  |                          | Humanities & Fine Arts    | 3      | Gen Ed    |     |        | MAT 425                    | Modern Algebra I       | 3      | Major     |     |        |
|                  |                          |                           | 15     |           |     |        |                            | 15                     |        |           |     |        |
|                  |                          |                           |        |           |     |        | Praxis II should be taken. |                        |        |           |     |        |
| YEAR 4-Senior    | CUR 487                  | Teach Secondary Math      | 3      | Prof Ed   |     |        | CUR 498                    | Directed Teaching      | 9      | Prof Ed   |     |        |
|                  | HIS 100/200              | History                   | 3      | Gen Ed    |     |        |                            | General Elective       | 3      | Electives |     |        |
|                  |                          | Perspectives on Society   | 3      | Gen Ed    |     |        |                            |                        | 12     |           |     |        |
|                  | MAT 300+ Level           | Math Elective             | 3      | Major     |     |        |                            |                        |        |           |     |        |
|                  |                          | General Elective          | 3      | Electives |     |        |                            |                        |        |           |     |        |
|                  |                          |                           | 15     |           |     |        |                            |                        |        |           |     |        |

- <sup>1</sup>All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).
- At least 2.5 GPA in upper-level mathematics courses.
- At least 2.5 GPA in upper-level mathematics courses completed at DSU.
- Score of at least 152 on Praxis subject area test (test code 5161) required by the Mississippi Department of Education.