**PLAN 1**

Sample Two-Year Plans

Master of Arts in Mathematics

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| --- | --- | --- | --- | --- | --- | --- |
| **Semester 1** |  |  |  | **Semester 2** |  |  |
| *Course Number* | *Course Name* | *Credits* |  | *Course Number* | *Course Name* | *Credits* |
| MAT 5100 | Abstract Algebra | 4 |  | MAT 5220 | Topology | 4 |
| MAT 5301 | Real Variables | 4 |  | MAT 5330 | Complex Variables | 4 |
| MAT 5000 | Graduate Seminar | 1 |  | MAT 5000 | Graduate Seminar | 1 |
| *Total* |  | *9* |  | *Total* |  | *9* |

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| **Semester 3** |  |  |  | **Semester 4** |  |  |
| *Course Number* | *Course Name* | *Credits* |  | *Course Number* | *Course Name* | *Credits* |
| MAT 5335 | Topic in Math. | 4 |  | MAT 5335 | Topic in Math. | 4 |
| MAT 5335 | Topic in Math. | 4 |  | MAT 5950 | Thesis | 5 |
| MAT 5000 | Graduate Seminar | 1 |  |  |  |  |
| *Total* |  | *9* |  | *Total* |  | *9* |

 **PLAN 2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Semester 1** |  |  |  | **Semester 2** |  |  |
| *Course Number* | *Course Name* | *Credits* |  | *Course Number* | *Course Name* | *Credits* |
| MAT 4760 | Linear Algebra | 4 |  | MAT 5220 | Topology | 4 |
| MAT 4860 | Math. Analysis | 4 |  | MAT 5330 | Complex Variables | 4 |
| MAT 5000 | Graduate Seminar | 1 |  | MAT 5000 | Graduate Seminar | 1 |
| *Total* |  | *9* |  | *Total* |  | *9* |

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| **Semester 3** |  |  |  | **Semester 4** |  |  |
| *Course Number* | *Course Name* | *Credits* |  | *Course Number* | *Course Name* | *Credits* |
| MAT 5100 | Abstract Algebra | 4 |  | MAT 5335 | Topic in Math. | 4 |
| MAT 5301 | Real Variables | 4 |  | MAT 5335 | Topic in Math. | 4 |
| MAT 5000 | Graduate Seminar | 1 |  | MAT 5000 | Graduate Seminar | 1 |
| *Total* |  | *9* |  | *Total* |  | *9* |

* A minimum of 34 semester hours; a minimum of 32 if a thesis is written.
* Coursework must include MAT 5100, MAT 5220, MAT 5301, MAT 5330 and at least three semesters of MAT 5000.
* If the student has not completed MAT 4760 Linear Algebra and MAT 4860 Mathematical Analysis, or their equivalents as an undergraduate, then they must be included.
* A maximum of 10 semester hours of courses numbered 4750 to 4999 may be applied.
* A minimum of 24 semester hours of courses must be numbered 5000 and above.
* At most 8 semester hours of courses in related areas may be applied.
* Students on graduate assistantships must maintain a cumulative GPA of 3.00 or higher and enroll in at least 9 hours per semester.
* In addition to coursework, students are required to complete either a thesis or pass comprehensive exam(s).
* See <http://eiu.edu/mathgrad> for more detailed information.