**Program of Study**

**ISE MS Systems Engineering – Thesis**

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; MSU ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Foundational Requirements:**

MA 1713 Calculus I

MA 1723 Calculus II

Computer Programming Proficiency

IE 3913 Engineering Economy I

IE 4613 Engineering Statistics I

**Program Requirements:**

|  |  |  |
| --- | --- | --- |
| Check If Taken | Course | Notes/Substitution |
| **Required Courses:** | | |
|  | IE 6753 Systems Engineering and Analysis |  |
|  | IE 8593 Model-based Systems Engineering |  |
|  | IE 6773 Systems Simulation I |  |
|  | IE 8583 Enterprise Systems Engineering |  |
| **At least ONE course from the following (3 hours):** | | |
|  | Choose an item. |  |
| **At least ONE course from the following (3 hours):** | | |
|  | Choose an item. |  |
| **At least ONE course from the following (3 hours):** | | |
|  | Choose an item. |  |
| **Courses to be selected by the student along with the academic advisor and graduate**  **program committee (3 hours)** | | |
|  |  |  |
| **Thesis in ISE (6 hours):** | | |
|  | IE 9000 Thesis in ISE |  |

ISE foundational courses cannot be a part of this table

**Checklist:**

Completed at least **12** hours of **8000-level** coursework

Completed at least **6** thesis hours in ISE

Completed all the foundational course requirements

Completed a minimum of **30** hours of required program courses

Pass the comprehensive exam (if not waived)