

Robotics and Autonomous Systems (RAS) MS Degree Check Sheet

MAE Concentration

Non-Thesis: Portfolio

Name _____ Date _____
ID _____ Admitted _____

Core Courses (6 credit hours)

Term Taken

- | | | | |
|----|--|---|-------|
| 1. | MAE 501 Linear Algebra in Engineering | 3 | _____ |
| 2. | MAE 547 Modeling and Control of Robots | 3 | _____ |

Required MAE Concentration Courses (6 credit hours)

MAE 506 is a required course. Select ONE additional concentration course from the following:

MAE 508: Digital Control: Design and Implementation

MAE 598: Multi-Robot Systems

MAE 598: Bio-Inspired Robots

MAE 598: LMI Methods in Optimal and Robust Control

- | | | | |
|----|---|---|-------|
| 1. | MAE 506 Advanced System Modeling, Dynamics, and Control | 3 | _____ |
| 2. | _____ | 3 | _____ |

Electives (18 credit hours)

At least two courses (6 credit hours) must be non-MAE concentration RAS electives:

[Approved Elective List](#)

- | | | | |
|----|-------|---|-------|
| 1. | _____ | 3 | _____ |
| 2. | _____ | 3 | _____ |
| 3. | _____ | 3 | _____ |
| 4. | _____ | 3 | _____ |
| 5. | _____ | 3 | _____ |
| 6. | _____ | 3 | _____ |

TOTAL 30

Culminating Event: Portfolio

The portfolio consists of two projects completed by the student in the classes taken in the RAS program, chosen by the student, from the student's iPOS. A paper summarizing the projects and synthesizing the knowledge obtained, plus a cover page is attached to the portfolio in one pdf format.

**More detailed information about the portfolio, including deadlines and a formatting guide can be found at [SEMTE Resource Guide- Portfolio](#)*

Notes: