**Eligibility and BSE Requirements for 4+1**

* 3.25 cumulative GPA and at least 90 credits completed required in order to be eligible for the 4+1 program
* 15 credits of Technical Electives (TE) required (a maximum of 12 credits can be shared with the MS program)
* Reserved credits for Master’s degree – these are credits you take during your BSE that are only used towards your MS degree (limited to 12 hours minus the amount of shared hours that you are using. You cannot split a class between reserved and shared hours).

**RAS-EE Degree Requirements: 30 hours minimum**

* 4 Core courses: MAE 501, MAE 547, EEE 582, and EEE 588
* Elective courses: 4-6 elective courses based on whether the student is doing the comprehensive exam or thesis. All students start in the comprehensive exam track and can change to thesis later in the program. these 4 courses, at least 2 of them must be outside of EE. Refer to the handbook for the degree requirements

**Application and Review Process:**

* Speak to the 4+1 coordinator about the program and to initiate the 4+1 application
* Speak to a faculty member in your area of specialization about what classes to select, the MSE comprehensive exam, and any other questions you might have (ex: careers in that field of study)
* The 4+1 Coordinator will review your application once complete, let you know if any edits need to be made, and will contact you to submit the online application through Graduate Admissions (Application fee applies. Proof of English Proficiency might be required if you are an international student)
* Let the 4+1 Coordinator know that you have submitted the online application and adjust your schedule accordingly to register for the proper courses

**By signing the next page, I (the student) acknowledge the following:**

* I understand that I must maintain a 3.0 GPA (at least B average) in all of my graduate classes.
* I understand that I will be admitted to the MS program and will be taking the written comprehensive exam by default. If I wish to change to thesis, I may do so in the future.
* I understand that I must maintain continuous enrollment, which means that I will be registered every fall or spring semester while I am a 4+1 student. This is a Graduate College Policy, and more information can be found here: <https://graduate.asu.edu/key-policies>
* I understand that I must submit my interactive plan of study (iPOS) in my first semester of my graduate program.

|  |  |  |
| --- | --- | --- |
| Name:  | ASU ID #  | ASU Email:  |
| GPA:  | Credits completed:  | Phone Number: |
| Expected term/year for BSE Graduation: |

Fill out this page and the attached check sheet. Refer to the program handbook if you have questions about degree requirements.

|  |  |  |
| --- | --- | --- |
| **Technical Electives (TE) 15 credits required** **(only a maximum 12 credits can be shared with the MS)** |  | **Reserved for Master’s (Maximum 12 hours minus the number of shared hours that you are using)** |
| Course | Hours | Semester/Yr | Shared |  | Course | Hours | Semester/year |
|  |  |  |  |  |  |  |  |
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|  |  |  |  |  |
| **Upper division Math/Science/Engineering class** |  |  |  |  |
| Course | Hours | Semester/Year |  |  |  |  |
|  |  |  |  |  |  |  |

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| --- | --- | --- |
|  | Signature: | Date: |
| Student Name:  |  |  |
| Faculty Member:  |  |  |
| 4+1 Coordinator: |  |  |

**M.S. in Robotics & Autonomous Systems**

Degree requires 30 Credit Hours & Comprehensive Exam or Thesis

 **Non-Thesis (Comprehensive Exam) Thesis**

* **6 Credit Hours Core Courses**
	+ - **MAE 501 Linear Algebra in Engineering** Semester: Year:
		- **MAE 547 Modeling and Control of Robotics** Semester : Year:
* **6 Credit Hours Concentration**
	+ - **EEE 582 Linear Systems Theory** Semester: Year: \_\_\_
		- **EEE 588 Design of Multivariable Control Systems** Semester: Year:
* **6 – 18 Credit Hours Electives**
* **6 credit - electives from outside the concentration (other concentration courses)**
	+ Course Semester: Year:
	+ Course Semester: Year:
* **6 credit - electives**
	+ Course Semester: Year:
	+ Course Semester: Year:
* **6 credit – non-thesis electives. If you are doing a thesis, these elective credits are not required.**
	+ Course Semester: Year:
	+ Course Semester: Year:
* **6 credit hours Culminating Event**
* **6 credit hours** of Thesis (EEE 599).
	+ - Credits\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
		- Credits\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| Thesis Chair course approval: |  | Date: |  |

Overall Credits

* **At least 30 credit hours.**
* **Maximum of 3 one-credit EEE 584 internship (do not count as part of the 30 credits)**