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

* 3.0 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 9 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).

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

* 2 Core courses: EEE 554 and CSE 551. These courses must be completed in your first year of the program.
* 4 Area courses from the pre-approved area course list. Of these 4 courses, 3 of them must be EEE/CEN prefix and one must be CSE/CEN prefix. Of these 4 courses, at least two different areas must be covered. Refer to the pre-approved area course list.
* Elective courses: 2-4 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. 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 9 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 | |  |  | | |  |  |
|  |  |  | |  |  | | |  |  |

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

**M.S. (non-thesis) in Computer Engineering**

**6 Core Credits + 12 Area Credits + 12 Elective Credits = 30 Credit Hours**

**6 Credit Hours Core Courses**

* **EEE 554 Random Signal Theory** Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
* **CSE 551/591 Foundations of Algorithms** Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_

**12 Credit Hours Area Courses**

* Selection of graduate-level CEN area courses satisfying the CEN Mandatory Degree Concentration Requirement:
  + CEN-CS Concentration: 9 credits CSE or CEN and 3 credits EEE or CEN
  + CEN-EE Concentration: 9 credits EEE or CEN and 3 credits CSE or CEN
* At least **6 credit hours** of graduate-level courses covering two (2) of the five (5) CEN Areas of Study.
  + - Course \_\_\_\_\_\_\_\_\_\_\_\_ Area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
    - Course \_\_\_\_\_\_\_\_\_\_\_\_ Area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
    - Course \_\_\_\_\_\_\_\_\_\_\_\_ Area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
    - Course \_\_\_\_\_\_\_\_\_\_\_\_ Area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_

**12 Credit Hours Electives**

* At least **12 credit hours** of approved graduate-level Science, Engineering, or Math courses or approved 400-level/combined courses.
  + - Course \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
    - Course \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
    - Course \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_
    - Course \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester:\_\_\_\_\_\_\_\_\_\_ Year:\_\_\_\_\_\_\_\_\_\_

**Overall Credits**

* **At least 30 Credits**

**CEN Areas of Study**

Autonomous Systems and Robotics – ASR

Communications and Networks – CN

Distributed, Dependable and Secure Systems – DDSS

Multimedia and Signal Processing - MSP

VLSI, Architecture, and Embedded Systems – VAES

* **Maximum of 1 3-credit independent study CEN 590 as elective**
* **Maximum of 12 credit hours of combined (5XX/4XX) courses and 400-level courses as electives from the approved list out of which no more than 6 credit hours can be 400 level courses**
* **Maximum of 3 1-credit CEN 584 internship courses in addition to the required 30 credit hours**

**Please use this sheet as a guide when filling out the iPOS. After electronic submission of the iPOS please turn in this sheet to the appropriate Advising Center.**