

New Graduate Students Orientation

August 14, 2026

Agenda

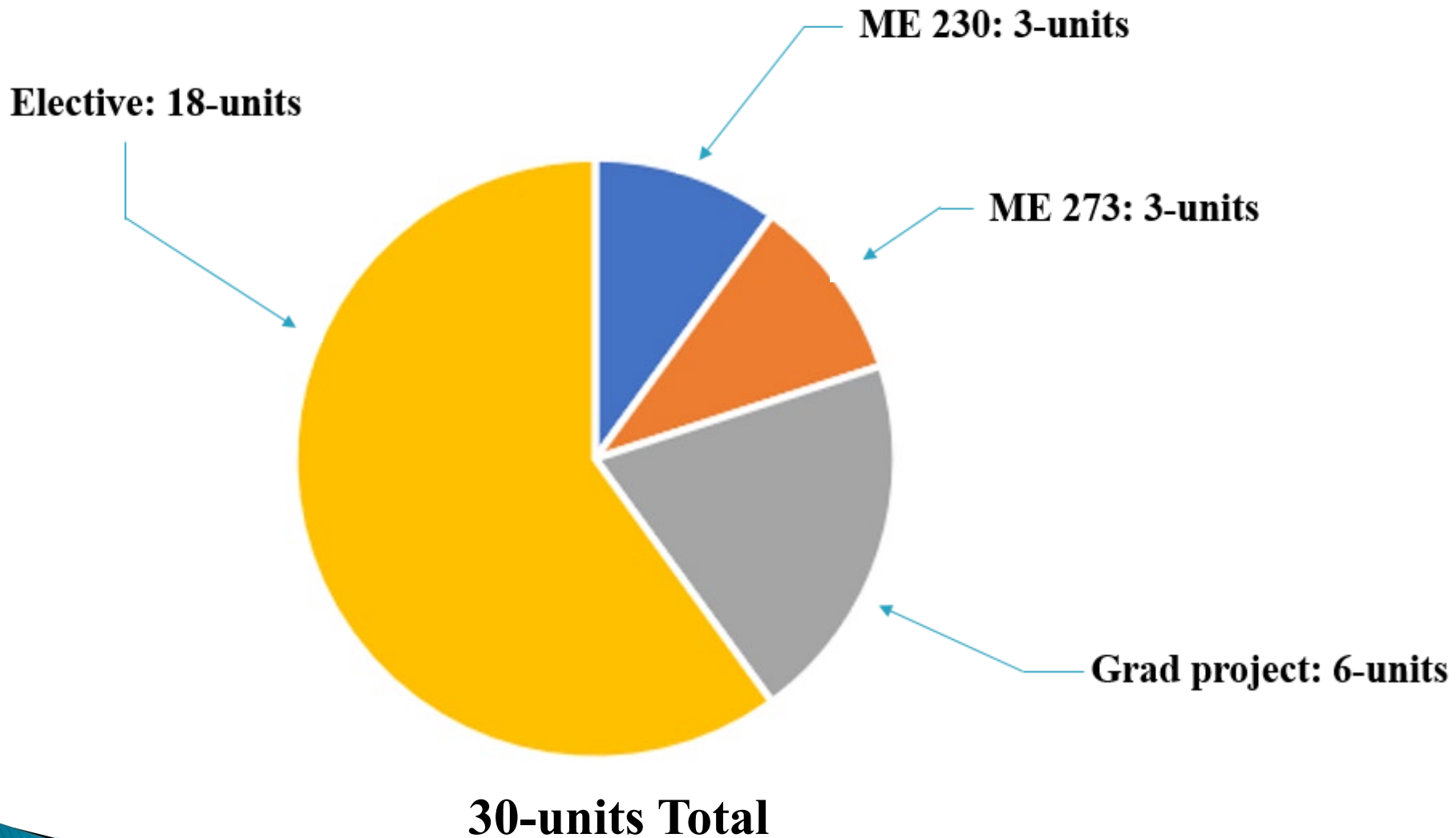
- ▶ Welcome
- ▶ MSME Program
- ▶ Q & A
- ▶ Advising

MSME Program

Evening classes



Units Requirement

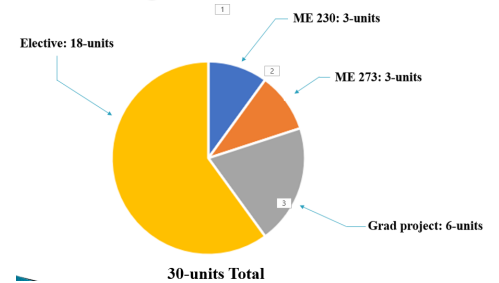


Electives: 18-units

Any Graduate ME Course



MSME Program



Any ME Under grad *Elective* Course



(6-units max)

Any Non-ME Course



Any *Required* ME Under grad Course



Any Non-ME Engineering Course



The list of Approved Undergraduate Electives Courses

- ME 135 – Intro to Composite Materials
- ME 136 – Design for Manufacturability
- ME 160 – Intro to Finite Element Method
- ME 165 – Computer Aided Design in ME
- ME 170 – Solar Energy Engineering o
- ME 171 – Energy Management in Manufacturing
- ME 172 – Alternative & Renewable Energy
- ME 181 – Fundamentals of Biosensors
- ME 183 – HVAC Systems Design
- ME 185 – Hybrid and Electric Vehicle Fund.
- ME 186 – Automotive Engineering
- ME 187 – Automatic Control Systems Design
- ME 189 – Design and Manuf. Of Microsystems
- ME 192 – Robotics and Manufacturing Sys.

Selecting the Courses

Three Areas of emphasis:



Design:

Example:

ME 240 ME 243, ME 250, ME 256,
ME 260, ME 265



Mechatronics/ & Controls:

Example:

ME 280, ME 281,
ME 282, ME 283, ME 284, ME 285



Thermo/fluids: Example:

ME 200, ME 210, ME 211, ME
221, ME 271

Graduation Plan

Two-years graduation plan

First Semester

ME 230	3	
ME 273	3	
Elective-1	3	
Total		9

Second Semester

ME 291 (elective-2)	3	
<i>(also, an elective)</i>		
Elective-3	3	
Elective-4	3	
Total		9

Third Semester

ME 295A	3	
Or		
ME 299-I3		
Elective-5	3	
Total		6

Fourth Semester

ME 295B3		
or		
ME 299-II	3	
Elective-6	3	
Total		6

Total 30 Units

Two-Year Graduation Plan (cont.)

NOTE

1. If you plan to be employed part-time or full-time, adjust the above schedule according to your expected work commitments
2. To be able to graduate in 4 or 5-semesters, you must take ME 291 during your second semester, otherwise your graduation will be delayed
3. You can take any Elective course in any order; there are no prerequisites to any of the elective courses

Program Notes

1. Elective courses can be selected from any of the three disciplines
2. Generally, two courses/semester are offered in each area of disciplines
3. Up to 6 units of the **approved** undergraduate elective courses can be taken, which will satisfy the MSME program
4. Up to 9 units of graduate level coursework can be transferred.

Overall minimum GPA of 3.0 or better

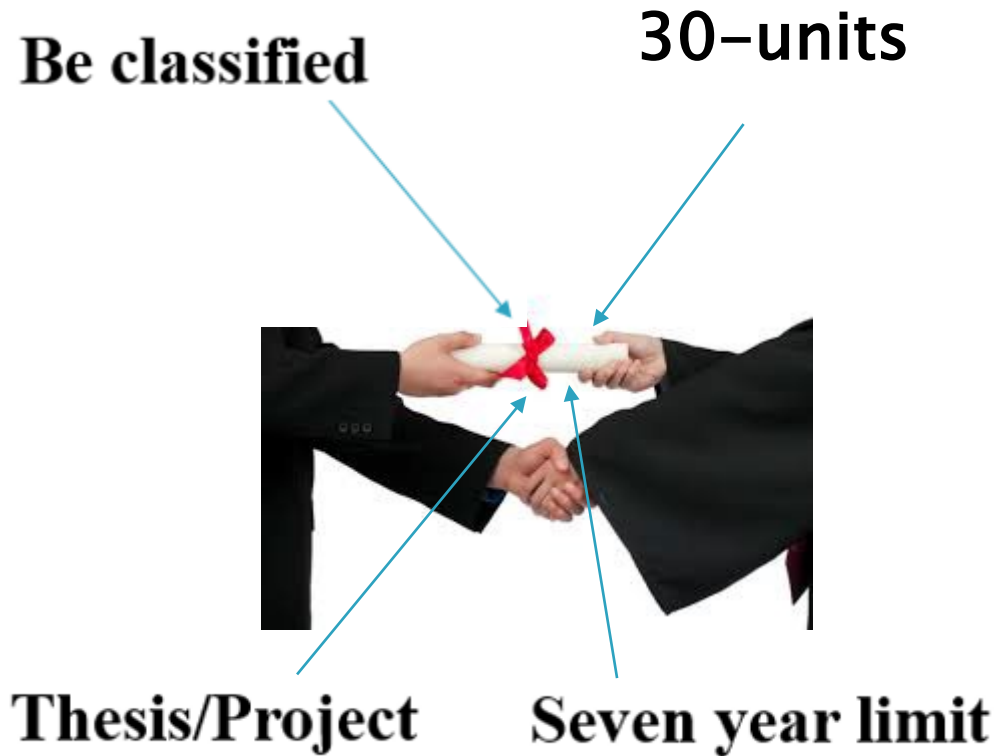
- ▶ Grade in each of the 30 units for MS degree must be C or better (C- is an F)

Note Regarding ME 291

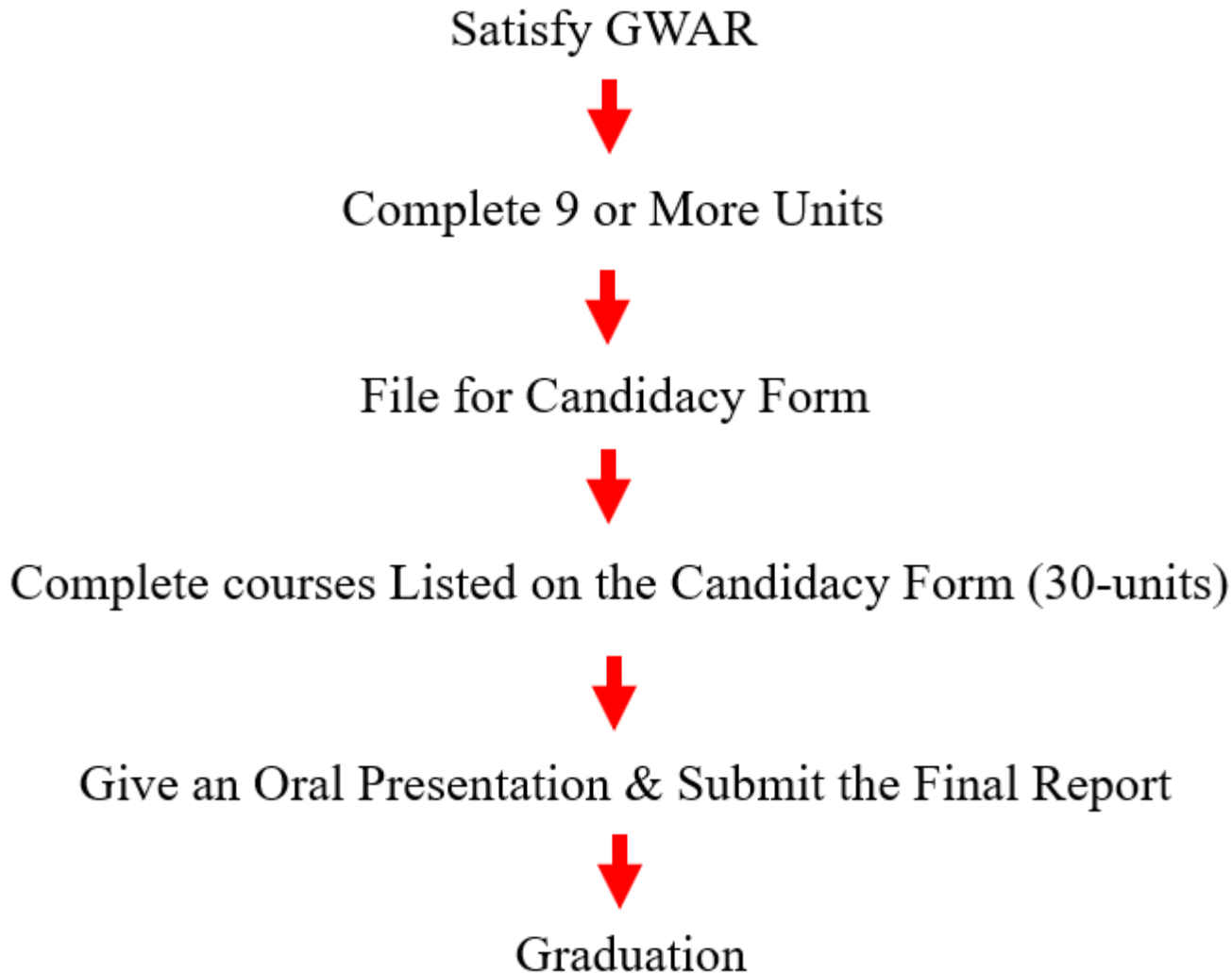
- ▶ This course satisfies the GVAR, and also awards 3-elective units
- ▶ An approved Candidacy Form is required to qualify for taking the Graduate Project course.

NOTE: If ME 291 isn't completed timely, your graduation can be delayed.

Program Requirements



Steps for Graduation



Registering for Classes

- ▶ When eligible, you can register most of the courses online, except the graduate project courses and ME 291
- ▶ If you are unable to register for classes, you can add a class by getting an add code from the instructor (after the classes have started)
- ▶ Graduate ME classes usually accommodate all
- ▶ If you are Conditionally Classified and fulfilling a Conditional undergraduate class:
 - Get an add code from the instructor (after the semester starts)
 - Let the instructor know you are a graduate student and the Graduate Advisor has waived the pre-requisites
 - Get written permission from the Graduate Advisor if needed

Graduate Writing Assessment Requirement (GWAR)

- ▶ The Graduate Writing Assessment Requirement (GWAR) is a university requirement
- ▶ You must satisfy the GWAR before submitting the Candidacy form
- ▶ GWAR can be satisfied by passing the ME 291 course

Steps for Completing Project/Thesis (6-units)

Identify your area of Interest and select an advisor



Form the Advisory Committee (3-members)



Prepare and Submit a Project Proposal



Complete the Project



Submit the Final Report and give an Oral Presentation

About the Oral Presentation (Project/Thesis)

- ▶ Given at the end of a semester
- ▶ ½ hour Oral Exam at the end of the first term of Project/Thesis
- ▶ One-hour Oral Exam at the end of the second term of Project/Thesis
- ▶ A draft copy of the final report is due before the oral Defense and a bound copy is due after the Oral Defense

Advising

- There is no mandatory advising for removing academic hold.
- Contact the ME office if you can't register for classes
- For any questions related to your MSME program, contact the Graduate Program Advisor
- Advising is required if you are on Probation
- There is no advising available during the semester breaks and holidays

Registering for Classes

Classes You can't Pre register

- ▶ ME 295 A
- ▶ ME 295 B
- ▶ ME 299
- ▶ ME 291

Probation and Disqualification

- ▶ Probation: Overall GPA < 3.0
- ▶ Disqualification: GPA < 3.0 two consecutive semesters
- ▶ Reinstatement

Transfer Credits

- ▶ Courses taken at other than SJSU Institutions
 - Must be equivalent to the current SJSU courses
 - Fill out an Equivalency Form and see the corresponding course instructor for evaluation
 - Only a maximum of 9-units can be transferred
- ▶ Courses taken at SJSU
 - You can transfer up to 9-units of *graduate* ME courses completed as an SJSU undergraduate or taken on Open University. No pre-approval is required.

QUESTIONS

