

MSEE
Graduate
Handbook

COE Resources

Graduate Student Success Center (GSSC)

COE Coordinator: Dr. Feike Leij

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Electrical Engineering Department

EE Chair: Dr. Henry Yeh

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Writing and Communication Resource Center, VEC-128B

Program Director: Dr. Maryam Qudrat

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Hours: M-F 9am-5pm

** Must make an appointment to review your report.*

Library Information & Support EN2-109

COE Librarian: Ms. Hema Ramachandran

Hema.Ramachandran@csulb.edu

562.985.5749 (Main Library)

562.985.2304 (Dudley Library, EN2-109)

Dudley Hours: M-F 9am-5pm

MSEE Roadmap (Starting From Fall 2019)

General Program Requirement (15 units)

- EE 508 – Probability Theory & Random Process (3)
- EE 511 – Linear Systems Analysis (3)
- EE 588 – DSP for MMO Communication Systems (Networking, DSP, and Communication Course – 3)
- EE 531 – CMOS Electronics (Electronics and Digital Course – 3)
- EE 554 – Power Systems and Applications (Power Course – 3)

Any EE Graduate Courses (15 units)

Not including general program requirement courses

Comp Exam Route: Any Five (5) MSEE Courses

OR

Thesis Route: Any Three (3) MSEE Courses, Thesis (6)

IMPORTANT NOTE

- EE 490 (Special Problems) and EE 405 (Special Topics) are **NOT ACCEPTED** in the graduate program.
- A graduate student should **ALWAYS** maintain GPA of at least 3.0 in each semester. **OTHERWISE**, the students will be in academic probation.\

Concentrations

- **Power, Control Systems Faculty:**
Chassiakos, Hamano, Mozumdar
- **Electronics, Digital Systems Faculty:**
Hedayatipour, Khoo, Mozumdar, Teng, Wagdy, F. Wang
- **Biomedical Engineering Faculty:**
Ary, Druzgalski, Hedayatipour, Khoo
- **Communications, Networking, Digital Signal Processing Faculty:**
Ahmed, Chang, Kwon, Sodagari, Yeh, Chang

Graduation Writing Assessment Requirement (GWAR)

Website: <http://web.csulb.edu/divisions/aa/gwar>

- Passing of the Writing Proficiency Exam (WPE) with a score of 11 higher. You need to take WPE in Fall semester; otherwise you will not be able to register for Spring semester.
- Students unsuccessful in their first WPE attempt must enroll in a GWAR course and submit a passing portfolio to fulfill the requirement. Students should meet with a GWAR Advisor if they need help selecting an appropriate GWAR course.
- Graduate students must complete the **GWAR requirement before Advancement to Candidacy.**
- All graduate students (M.A., M.S., M.B.A) who have earned an undergraduate degree from an accredited U.S. university or college, or earned an undergraduate degree from an accredited university from an English speaking country (see GWAR FAQ page for the List of Approved Countries), have satisfied the GWAR at CSULB and do not have to take the GPE.
- Graduate students who scored a 4 or higher on the GRE or GMAT have satisfied the GWAR at CSULB and do not have to take the GPE.
- Graduate students can self-place into a GWAR Portfolio course (e.g., ENGL 301B, FMD 450, or a portfolio course offered in their major). If they self-place into a GWAR Portfolio course, they do not have to take the GPE. To self-place, contact a GWAR Advisor by email at GWAR-Advisor@csulb.edu.
- If the student chooses to take the GPE, then self-placement into a GWAR Portfolio Course is no longer an option. Students must follow the pathway where they place once they receive a GPE score.
- GWAR Portfolio Course: Students who receive a score of 8, 9, or 10 must successfully complete one GWAR portfolio course with a “C” or better, and submit a passing portfolio to satisfy the GWAR.
- English 301A Writing Proficiency Course: Students who receive 7 or lower on the GPE must complete ENGL 301A with a grade of “C” or better before enrolling in a portfolio course and submitting a passing portfolio to satisfy the GWAR.
- GPE can be taken only once.

Advancement to Candidacy

- Completion of any deficiency requirement identifies with admission with 3.0 GPA
- Have met the GVAR requirement
- Completion of at least 18 units of graduate requirement within a concentration with GPA of 3.0 or higher
- Selection of culminating experience (comprehensive exam or thesis)\

Note: Every course must be pre-approved and every step must be completed before approaching the advisor, requesting advancement to candidacy.

Comprehensive Exam Schedules

Fall

First Friday of October

Spring

First Friday of March

Curricular Practical Training (CPT)

CPT program provides international graduate students in the College of Engineering an opportunity to gain practical experience in their fields of study. To qualify for CPT, the student must have:

- at least one academic year of enrollment in valid F-1 status
- at least 18 units of the required graduate classes
- been Advanced to Candidacy
- be in good academic standing

Once a student is offered a CPT internship opportunity, and upon approval by the office of International Student Services, he/she must complete an independent study agreement and register for ENGR 691 (1 unit) through CCPE with a full-time COE professor who agrees to supervise him/her and meet with the student regularly per an agreed schedule throughout the semester.

At the end of the semester, a complete technical report, including an overview of the technical areas and activities engaged in, the problems encountered and the solutions provided, must be submitted to supervising professor and must earn a passing grade. **Note:** This class can be repeated up to three times.