



BS/MS PROGRAM

General Facts about the Program:

- ◆ The BS/MS program is an accelerated program that applicants must be able to complete ideally within five years
- ◆ Graduate units taken during senior year will allow the completion of the MS program requirements in the fifth year
- ◆ Before the end of their junior year, interested undergraduate Electrical & Computer Engineering majors may apply for admission to the BS/MS program in ECE. Application packets are available in the ECE Undergraduate Student Office located in Trailer 380, Room 101.
- ◆ At the end of their senior year, students who have been admitted to the program and have decided not to continue have the option of submitting a BS graduation form and leaving the program with only the BS degree if all requirements have been met
- ◆ Students who are denied entry into the BS/MS program may still apply for admission to the regular MS program (application fees will apply)

Checklist for BS/MS Application

Deadline for all BS/MS application materials is June 16, 2023

A completed application contains the following:

- Application worksheet
- Supplemental Documents – consisting of 3 separate documents:
 - ⇒ Statement of Purpose
 - ⇒ Personal History and Diversity Statement
 - ⇒ Resume or Curriculum Vitae
- 3 letters of recommendation with coversheets
- Unofficial UCSB transcript
 - *Please submit transcripts without Spring 2023 grades*

Emphasis options include:

- Computer Engineering (CE)
- Electronics & Photonics (EP)
- Communications, Controls, and Signal Processing (CCSP)

Application for the BS/MS Program in Electrical and Computer Engineering Fall 2023

Name of Applicant: _____ Date: _____

Perm Number: _____

PERSONAL INFORMATION

Birthdate: _____ Gender _____ Non-Binary _____

Citizenship: _____ California Resident (Yes/No)? _____

CONTACT INFORMATION

Permanent Address (or address you may be contacted at during
summer): _____

Permanent Phone: _____ Current Phone: _____

Umail: _____

ALL APPLICATION MATERIALS ARE DUE JUNE 16, 2023

University of California, Santa Barbara

Coversheet for Statement, Personal History, and Resume/CV

Name _____ Quarter _____
Legal Family Name (Surname), First Name, Middle Name

Proposed Department _____ Emphasis _____ Degree _____

- ◆ Type each of the three required documents below on a separate sheet (i.e., three separate documents)
- 1. **Statement of Purpose:** Give a brief statement outlining your reasons for undertaking a graduate program. State your particular area of specialization within the major field, your past academic work and your plans for future occupation or profession.
- 2. **Personal History and Diversity Statement:** UC Santa Barbara is interested in a diverse and inclusive graduate student population. Please describe any aspects of your personal background, accomplishments, or achievements that you feel are important in evaluating your application for graduate study. For example, please describe if you have experienced economic challenges in achieving higher education, such as being financially responsible for family members or dependents, having to work significant hours during undergraduate schooling or coming from a family background of limited income. Please describe if you have any unusual or varied life experiences that might contribute to the diversity of the graduate group, such as fluency in other languages, experience living in bicultural communities, academic research interests focusing on cultural, societal, or educational problems as they affect underserved segments of society, or evidence of intention to use the graduate degree toward serving disadvantages individuals or populations.
- 3. **Resume or Curriculum Vitae:** List your position of employment or volunteer work/community service since high school, either full or part-time, including the hours per week worked and the nature and dates of employment service.

If you have discussed your plans for graduate study with any UC Santa Barbara faculty, please list their names:

Signature: _____ Date _____

COMPUTER ENGINEERING

THIS GRID IS INTENDED TO SERVE AS A GUIDE AND SHOULD BE ADJUSTED FOR INDIVIDUAL CIRCUMSTANCES IN CONSULTATION WITH THE ACADEMIC ADVISORS. COURSE AVAILABILITY SUBJECT TO CHANGE. CHANGES WILL BE ANNOUNCED BY DEPARTMENT.

Freshman Year

Fall	Units	Winter	Units	Spring	Units
CHEM 1A or 2A	3	ECE 1A	1	ECE 1B	1
CHEM 1AL or 2AC	2	CMPSC 16	4	MATH 4A	4
MATH 3A	4	MATH 3B	4	PHYS 2	4
G.E. Elective or CMPSC 8 ¹	4	PHYS 1	4	G.E. or Writ 50E	4
WRIT 1E or 2E	4	WRIT 2E or 50E	4	MATH/SCI/ENGR ELECTIVE	4
Total units	17		17		17

Sophomore Year

Fall	Units	Winter	Units	Spring	Units
CMPSC 24	4	CMPSC 40	5	CMPSC 32	4
ECE10A	3	ECE 10B	3	ECE 10C	3
ECE10AL	2	ECE10BL	2	ECE 10CL	2
MATH 4B	4	ECE15A	4	ECE 152A	5
PHYS 3	3	PHYS 4	3	ECE 139 or PSTAT 120A ²	4
PHYS 3L	1	PHYS 4L	1		
Total units	17		18		18

Junior Year

Fall	Units	Winter	Units	Spring	Units
ECE 154A	4	CMPSC 130A	4	CMPEN Electives	8
CMPEN Electives	8	CMPEN Elective*	4	G.E.	4
G.E.	4	G.E.	8		
Total units	16		16		12

Combined Senior & Graduate Year

Fall	Units	Winter	Units	Spring	Units
ECE 189A*/CMPSC+189A	4	ECE 189B/CMPSC 189B	4	ECE 189C or CMPEN Elect.	4
CMPEN Electives	8	Engr 101 ³	3	CMPEN Elective	4
G.E.	4	G.E.	4	G.E.	4
GRAD Course	4	CMPEN Elective	4	GRAD Course	4
Total units	20		15		16

Fifth Year (graduate)

Fall	Units	Winter	Units	Spring	Units
Graduate Courses	12	Graduate Courses	12	Graduate Courses	12

1 CMPSC 8 may be used to satisfy the Math, Science, Engineering Elective requirement

2 PSTAT 120A is offered each quarter. ECE 139 is offered only in spring quarter and is better suited for future upper division electives for the Computer Engineering major

3 ENGR 101 may be taken any quarter of senior year

*ECE 189A-B-C is taken fall, winter, and spring quarters. Prerequisite to ECE 189A is ECE 153B taken winter of junior year

+CMPSC 189A-B is taken fall and winter quarters. Prerequisite to CMPSC 189A is CMPSC 156

Electrical Engineering

THIS GRID IS INTENDED TO SERVE AS A GUIDE AND SHOULD BE ADJUSTED FOR INDIVIDUAL CIRCUMSTANCES IN CONSULTATION WITH ACADEMIC ADVISORS. COURSE AVAILABILITY SUBJECT TO CHANGE. CHANGES WILL BE ANNOUNCED BY THE DEPARTMENT.

FRESHMAN YEAR

Fall	Units	Winter	Units	Spring	Units
CHEM 1A or 2A	3	MATH 3B	4	MATH 4A	4
CHEM 1AL or 2AC	2	PHYS 1	4	PHYS 2	4
ECE 3	4	ECE 5	4	WRIT 50E or G.E.	4
MATH 3A	4	WRIT 2E or 50E	4		
WRIT 1E or 2E	4				
Total units	17		16		12

SOPHOMORE YEAR

Fall	Units	Winter	Units	Spring	Units
ECE 10A	3	ECE 10B	3	ECE 10C	3
ECE 10AL	2	ECE 10BL	2	ECE 10CL	2
MATH 4B	4	ECE 15A	4	MATH 6B	4
PHYS 3	3	MATH 6A	4	PHYS 5	3
PHYS 3L	1	PHYS 4	3	PHYS 5L	1
CMPSC 16	4	PHYS 4L	1		
Total units	17		17		12

JUNIOR YEAR

Fall	Units	Winter	Units	Spring	Units
ECE 130A	4	ECE 130B	4	ECE 137B	4
ECE 132	4	ECE 137A	4	ECE 139 ¹	4
ECE 134 or ECE 152A	4	ECE elective	4	ECE 152A ²	5
G.E.	4	G.E.	4	G.E.	4
Total units	16		16		17

COMBINED SENIOR & GRADUATE YEAR

Fall	Units	Winter	Units	Spring	Units
ECE 188A	3	ECE 188B	3	ECE 188C	3
ECE Electives	8	ECE Electives	8	ECE Electives	8
G.E.	4	G.E.	4	Free Electives ⁴	4
Graduate Course	4	ENGR 101 ³	3		
		Graduate Course	4		
Total units	19		22		15

FIFTH YEAR (GRADUATE)

Fall	Units	Winter	Units	Spring	Units
Graduate Courses	12	Graduate Courses	12	Graduate Courses	12

- 1 ECE 139 may also be taken in the spring quarter of the sophomore year
- 2 ECE 152A may also be taken in the spring quarter of the sophomore year
- 3 ENGR 101 may be taken any quarter of the senior year
- 4 This course may not be required. Students must complete at least 189 units to graduate.

**UC SANTA BARBARA COVERSHEET FOR HARD COPY LETTER OF
RECOMMENDATION SUBMISSIONS**

THIS PORTION TO BE COMPLETED BY THE APPLICANT

Mail to the Department of, _____ University of California, Santa
Barbara, CA 93106

The application deadline for the program I am applying to is: _____
See: <http://www.graddiv.ucsb.edu/programs>

Applicant Name _____
Legal family name (surname) First name Middle Name

Proposed Degree _____ Emphasis _____ Quarter _____

**APPLICANT'S WAIVER OF RIGHT TO ACCESS THE LETTER OF
RECOMMENDATION**

Name of recommender

The Family Educational Rights and Privacy Act of 1974 gives students (persons admitted and enrolled in the university) the right to inspect letters of recommendation written in support of an application for admission and financial assistance. In addition, the law permits students to expressly waive the right to inspect letters submitted on their behalf, although such a waiver must be voluntary and cannot be a condition of admission, award, or employment. I, the undersigned, understand that the information provided in this letter may be used by the university in deciding upon admission to graduate study and/or the award of a fellowship or assistantship. I have read and understand the regulation concerning Waiver of Access to Confidential Letters of Recommendation. Having read this information I choose one of the following:

Check only one:

- I hereby waive any and all rights of access to this letter of recommendation
- I do not agree to waive access to the letter of recommendation

Applicant: Please note you MUST complete the online waiver of right of access for your recommender, even if they are mailing a hard copy letter. The above is indication to your recommender what your waiver decision is. It is your responsibility to log the same answer as above online. If the waiver answer on this sheet differs from the answer in your online application, the University will not consider the letter.

Recommender's Name (please print) _____

Position or Title _____ Institution or Company _____

Address _____

Email Address _____

Signature _____ Date _____

Please mail this form with your letter of recommendation directly to the department specified above by the applicant.