

MAJOR: Electrical Engineering (Freshman w/No AP Math)

Phone: 534-6395

Bldg: EBU1, 2705

Email: myda@ece.ucsd.edu

THIS CURRICULUM GUIDE SHOULD BE USED AS A PLANNING DOCUMENT ONLY

	Fall	Units	Winter	Units	Spring	Units	Summer	Units	
2009-2010	Math 20A	4	Math 20B	4	Math 20C	4			
	Chem 6A	4	Phys 2A	4	Phys 2B	4			
	ECE 15	4	ECE 25	4	ECE 35	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36
2010-2011	Math 20D	4	Math 20F	4	Math 20E	4			
	Phys 2C	4	Phys 2D	4	ECE 30	4			
	ECE 45	4	ECE 65	4	ECE 109	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36
2011-2012	ECE 100	4	ECE 103	4	Depth #1	4			
	ECE 101	4	ECE 107	4	Depth #2	4			
	ECE 102	4	ECE 108	4	Elective #1	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36
2012-2013	Depth #3	4	Depth #4	4	Depth #5	4			
	Elective #2	4	Eng Design	4	Elective #5	4			
	Elective #3	4	Elective #4	4	Elective #6	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36

TOTAL UNITS WITH THIS PLAN: 144

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)

Consult with the ECE Undergraduate Office for more detailed information

or visit our website: <http://www.ece.ucsd.edu>

It is your responsibility to meet annually with academic advisors in both your college and major department. Consult your UCSD General Catalog & College fact-sheet to ensure you are making successful progress toward your degree.

****PLEASE NOTE*** The official policies & requirements for the curriculums of all 4 ECE majors have changed considerably since Fall 2004. Information listed on websites and other handouts are simply for convenience but do not supplant the official policy in the UCSD General Catalog.*

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units	
2009-2010	Math 20B	4	Math 20C	4	Math 20D	4			Yr Total: (Units)
	Phys 2A	4	Phys 2B	4	Phys 2C	4			
	ECE 15	4	ECE 25	4	ECE 35	4			
	Unit Total:	12		12		12		0	
2010-2011	Math 20F	4	Chem 6A	4	Math 20E	4			Yr Total: (Units)
	Phys 2D	4	ECE 65	4	ECE 30	4			
	ECE 45	4			ECE 109	4			
	Unit Total:	12		8		12		0	
2011-2012	ECE 100	4	ECE 103	4	Depth #1	4			Yr Total: (Units)
	ECE 101	4	ECE 107	4	Depth #2	4			
	ECE 102	4	ECE 108	4	Elective #1	4			
	Unit Total:	12		12		12		0	
2012-2013	Depth #3	4	Depth #4	4	Depth #5	4			Yr Total: (Units)
	Elective #2	4	Eng Design	4	Elective #5	4			
	Elective #3	4	Elective #4	4	Elective #6	4			
	Unit Total:	12		12		12		0	

TOTAL UNITS WITH THIS PLAN: 140

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)

Consult with the ECE Undergraduate Office for more detailed information
or visit our website: <http://www.ece.ucsd.edu>

This "accelerated" schedule is for students who have Math AP credit & want to advance more rapidly through the ECE courses. If you have the AP credit equivalent to Math 20B or Phys 2 series courses, you can "shift" the appropriate Math &/or Physics to an earlier quarter. Please consult with ECE for detailed assistance with this type of schedule.

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MAJOR: Electrical Engineering (Transfers)

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units
2009-2010 (1st yr.)	ECE 15	4	Math 20E	4	ECE 30	4		
	ECE 25	4	ECE 45	4	ECE 65	4		
	ECE 35	4	Phys 2D	4	ECE 109	4		
	Unit Total:	12		12		12		0
							Yr Total: (Units)	36
2010-2011 (2nd yr.)	ECE 100	4	ECE 103	4	Depth #1	4		
	ECE 101	4	ECE 107	4	Elective #1	4		
	ECE 102	4	ECE 108	4	Elective #2	4		
	Unit Total:	12		12		12		0
							Yr Total: (Units)	36
2011-2012 (3rd yr.)	Depth #2	4	Depth #4	4	Depth #5	4		
	Depth #3	4	Eng. Design	4	Elective #5	4		
	Elective #3	4	Elective #4	4	Elective #6	4		
	Unit Total:	12		12		12		0
							Yr Total: (Units)	36

TOTAL UNITS WITH THIS PLAN: 108

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)

Consult with the ECE Undergraduate Office for more detailed information
or visit our website: <http://www.ece.ucsd.edu>

This schedule assumes that you have NOT taken any EE courses. Students who've completed Phys. 2D can take ECE 103 in Winter of their 1st year. Please consult with ECE for detailed assistance with this type of schedule.

It is your responsibility to meet annually with academic advisors in both your college and major department. Consult your UCSD General Catalog & College fact-sheet to ensure you are making successful progress toward your degree.

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MAJOR: Engineering Physics (Freshman w/No AP Math)

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units	
2009-2010	Math 20A	4	Math 20B	4	Math 20C	4			
	Chem 6A	4	Phys 2A	4	Phys 2B	4			
	ECE 15	4	ECE 25	4	ECE 35	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36
2010-2011	Math 20D	4	Math 20F	4	Math 20E	4			
	Phys 2C	4	Phys 2D	4	ECE 30	4			
	ECE45	4	Phys Lab	2	ECE 109	4			
			ECE 65	4					Yr Total: (Units) 38
Unit Total:	12		14		12		0		
2011-2012	Math 110	4	ECE 100	4	ECE 107	4			
	Phys 110A	4	ECE 101	4	ECE 108	4			
	ECE 103	4	ECE 102	4	PHYS 130A	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36
2012-2013	Depth #1 †	4	Depth #2 †	4	Eng. Design	4			
	Phys 130B	4	Elective #1	4	Elective #3	4			
	Phys 140A	4	Elective #2	4	Elective #4	4			
			† ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183)						Yr Total: (Units) 36
Unit Total:	12		12		12		0		

TOTAL UNITS WITH THIS PLAN: 146

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)

† The 2 depth courses are not always offered in fall or winter, consult with the ECE

Undergraduate Student Affairs Office for more detailed information or visit our website: ece.ucsd.edu

It is your responsibility to meet annually with academic advisors in both your college and major department. Consult your UCSD General Catalog & College fact-sheet to ensure you are making successful progress toward your degree.

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MAJOR: Engineering Physics (Freshman w/AP Math)

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units	
2009-2010	Math 20B	4	Math 20C	4	Math 20D	4			Yr Total: (Units)
	Phys 2A	4	Phys 2B	4	Phys 2C	4			
	ECE 15	4	ECE 25	4	ECE 35	4			
	Unit Total:	12		12		12		0	
2010-2011	Math 20F	4	ECE 65	4	Math 20E	4			Yr Total: (Units)
	ECE 45	4	ECE 103	4	ECE 30	4			
	Phys 2D	4	Chem 6A	4	ECE 109	4			
	Phys Lab	2							
Unit Total:	14		12		12		0	38	
2011-2012	Phys 110A	4	ECE 101	4	Math 110	4			Yr Total: (Units)
	ECE 100	4	ECE 107	4	Phys 130A	4			
	ECE 102	4	ECE 108	4	Elective #1	4			
	Unit Total:	12		12		12		0	
2012-2013	Depth #1 †	4	Depth #2 †	4	Elective #3	4			Yr Total: (Units)
	Phys 130B	4	Eng. Design	4	Elective #4	4			
	Phys 140A	4	Elective #2	4					
	Unit Total:	12		12		8		0	
† ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183)									
TOTAL UNITS WITH THIS PLAN:									142

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)

The 2 depth courses indicated † are not always offered in fall and winter, consult with the ECE Undergraduate Office for more detailed information or visit our website: ece.ucsd.edu

This "accelerated" schedule is for students who have Math AP credit & want to advance more rapidly through the ECE courses. If you have the AP credit equivalent to Math 20B or Phys 2 series courses, you can "shift" the appropriate Math &/or Physics to an earlier quarter. Please consult with ECE for detailed assistance with this type of schedule.

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MAJOR: Engineering Physics (Transfers)

Phone: 534-6395

Bldg: EBU1, 2705

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units
2009-2010 (1st yr.)	ECE 15	4	MATH 20E	4	ECE 30	4		
	ECE 25	4	Phys 2D	4	ECE 65	4		
	ECE 35	4	Phys Lab	2	ECE 109	4		
			ECE 45	4				
Unit Total:		12		14		12		0
							Yr Total: (Units)	38
2010-2011 (2nd yr.)	Math 110	4	ECE 100	4	ECE 107	4		
	Phys 110A	4	ECE 101	4	ECE 108	4		
	ECE 103	4	ECE 102	4	Phys 130A	4		
Unit Total:		12		12		12		0
							Yr Total: (Units)	36
2011-2012 (3rd yr.)	Depth #1 †	4	Depth #2 †	4	Elective #2	4		
	Phys 130B	4	Eng. Design	4	Elective #3	4		
	Phys 140A	4	Elective #1	4	Elective #4	4		
Unit Total:		12		12		12		0
							Yr Total: (Units)	36

TOTAL UNITS WITH THIS PLAN: 110

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)

The 2 depth courses indicated † are not always offered in fall and winter, consult with the ECE Undergraduate Office for more detailed information or visit our website: ece.ucsd.edu

This schedule assumes that you have NOT taken any EE courses. Students who've completed Phys. 2D can take ECE 103 in Winter of their 1st year. Please consult with ECE for detailed assistance with this type of schedule.

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MAJOR: Computer Engineering

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units	
2009-2010	Math 20A	4	Math 20B	4	Math 20C	4			
	CSE 11 or	4	CSE 12*	4	CSE 20 or	4			
	CSE 8A/8AL/B		CSE 15L	2	MATH 15A				
	CSE 91	2			CSE 70	4			
					Phys 2A	4			
			* CSE 8B or CSE 11 must be taken before CSE 12						
Unit Total:		10		10		16		0	Yr Total: (Units) 36
2010-2011	Math 20D	4	Math 20F	4	Phys 2D	4			
	Phys 2B	4	Phys 2C	4	ECE 65	4			
	ECE 35	4	ECE 45	4	CSE 100 or	4			
	CSE 21 or	4	CSE 30	4	MATH 176				
	MATH 15B								
Unit Total:		16		16		12		0	Yr Total: (Units) 44
2011-2012	ECE 102	4	ECE 101	4	ECE 108	4			
	CSE 140 &	4	CSE 120	4	CSE 105 or	4			
	CSE 140L	2	CSE 141 &	4	Math 166				
	CSE 101 or	4	CSE 141L	2	Restricted Elective†	4			
	MATH 188								
					† ECE 111 or 118 ONLY				
Unit Total:		14		14		12		0	Yr Total: (Units) 40
2012-2013	CSE 130	4	CSE 131	4	ECE 109	4			
	Tech. Elective	4	Tech. Elective	4	Tech. Elective	4			
	Tech. Elective	4	Tech. Elective	4					
Unit Total:		12		12		8		0	Yr Total: (Units) 32

TOTAL UNITS WITH THIS PLAN: 152

Notes: Try to take 3 ECE/CSE & 1 General Ed/College Requirement (total 16 units/quarter)
 CSE 11 or 8A/8AL/8B: CE students can choose between CSE 11(Java) or 8A-8AL-B (Java).
 Computer Engineering students should take CSE 11 or 8A in the Fall quarter of their freshman year.
 Students interested in Java programming and with previous programming experience can enroll in CSE 11 Fall quarter. Those w/out any programming experience in a compiled language should enroll in CSE 8A/8AL in the Fall quarter then CSE 8B in Winter. Your schedule will then be a little different because you are adding an extra course.
For more detailed information see our website: ece.ucsd.edu

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MAJOR: Computer Engineering (Transfers)

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units		
2009-2010	CSE 11 or	4	CSE 12 *	4	CSE 30	4				
	CSE 8A/8AL/B		CSE 15L	2	CSE 21 or	4				
	ECE 35	4	CSE 20 or	4	Math 15B					
			Math 15A		CSE 70	4				
			ECE 45	4	ECE 65	4				
		* CSE 8B or CSE 11 must be taken before CSE 12								Yr Total:
Unit Total:		8		14		16		0	(Units) 38	
2010-2011	ECE 102	4	ECE 101	4	ECE 108	4				
	CSE 100 or	4	CSE 101 or	4	CSE 105 or	4				
	Math 176		Math 188		Math 166					
	CSE 140 &	4	CSE 141 &	4	Restricted Elective†	4				
	CSE 140L	2	CSE 141L	2	† ECE 111 or 118 ONLY					
Unit Total:		14		14		12		0	Yr Total: (Units) 40	
2011-2012	CSE 130	4	CSE 120	4	ECE 109	4				
	Tech. Elective	4	CSE 131	4	Tech. Elective	4				
	Tech. Elective	4	Tech. Elective	4	Tech. Elective	4				
Unit Total:		12		12		12		0	Yr Total: (Units) 36	

TOTAL UNITS WITH THIS PLAN:

114

Notes: Try to take 3 ECE/CSE & 1 General Ed/College Requirement (total 16 units/quarter)

CSE 11 or 8A/8AL/8B: CE students can choose between CSE 11(Java) or 8A-8AL-B (Java).

Computer Engineering students should take CSE 11 or 8A in the Fall quarter of their first year.

Students interested in Java programming and with previous programming experience can enroll in CSE 11 fall quarter.

Those w/out any programming experience in a compiled language should enroll in CSE 8A/8AL in the fall quarter

then CSE 8B in Winter. Your schedule will then be a little different because you are adding an extra course.

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MAJOR: B.A. Electrical Engineering and Society

Phone: 534-6395

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Email: myda@ece.ucsd.edu

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units	
2009-2010	Math 20A	4	Math 20B	4	Math 20C	4			
	Chem 6A	4	Phys 2A	4	Phys 2B	4			
	ECE 15	4	ECE 25	4	ECE 35	4			
	Unit Total:	12		12		12		0	36
									Yr Total: (Units)
2010-2011	Math 20D	4	Math 20F	4	Math 20E	4			
	Phys 2C	4	Phys 2D	4	ECE 30	4			
	ECE 45	4	ECE 65	4	S/H Elective	4			
			S/H Elective	4					
Unit Total:	12		16		12		0	40	Yr Total: (Units)
2011-2012	ECE 100	4	ECE 103	4	Depth #1	4			
	ECE 101	4	ECE 107	4	Depth #2	4			
	ECE 102	4	ECE 108	4	ECE 109	4			
	Unit Total:	12		12		12		0	36
2012-2013	Depth #3	4	Depth # 5	4	Depth #6	4			
	Depth #4	4	Eng. Design	4	E. Elective	4			
	E. Elective	4	E. Elective	4					
	Unit Total:	12		12		8		0	32
TOTAL UNITS WITH THIS PLAN:								144	

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)
 Consult w/ the ECE Undergraduate Office for more detailed information or visit our website: ece.ucsd.edu
 S/H Elective = Social Sciences/Humanities Elective courses
 E. Electives = Electrical Engineering Elective courses which must be upper division engineering, mathematics, or physics courses.

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	Fall	Units	Winter	Units	Spring	Units	Summer	Units	
2009-2010 (1st yr.)	ECE 15	4	Math 20E	4	ECE 30	4			
	ECE 25	4	ECE 45	4	ECE 65	4			
	ECE 35	4	S/H Elective	4	S/H Elective	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36
2010-2011 (2nd yr.)	ECE 100	4	ECE 103	4	Depth #1	4			
	ECE 101	4	ECE 107	4	Depth #2	4			
	ECE 102	4	ECE 108	4	ECE 109	4			
	Unit Total:	12		12		12		0	Yr Total: (Units) 36
2011-2012 (3rd yr.)	Depth #3	4	Depth #5	4	Depth #6	4			
	Depth #4	4	Eng. Design	4	E. Elective	4			
	E. Elective	4	E. Elective	4					
	Unit Total:	12		12		8		0	Yr Total: (Units) 32

TOTAL UNITS WITH THIS PLAN: 104

Notes: Try to take 3 ECE & 1 General Ed/College Requirement (total 16 units per quarter)
 Consult w/the ECE Undergraduate Office for more detailed information or visit our website: ece.ucsd.edu
 S/H Elective = Social Sciences/Humanities Elective courses
 E. Electives = Electrical Engineering Elective courses which must be upper division engineering, mathematics, or physics courses.

This schedule assumes that you have NOT taken any EE courses. Students who have not completed MAE 9 (C Programming) should take ECE 15 in the Fall instead of a GE. Students who've completed Phys. 2D can take ECE 103 in Winter of their 1st year. Please consult with ECE for detailed assistance with this type of schedule.

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