

Electrical Engineering

Starting in Math 105

Fall Year 1	cr
Math 105: Trigonometry	3
Wellness Elective	3
Chem 121	3
English 110	3
Comm 110: Communications	3
Total	15

Fall Year 2	cr
Math 166: Calculus II	4
Physics 251: Univ Physics I	4
Phys 251L: Physical Science Lab	1
Technical Elective (a)	3
ECE 275: Digital Design	3
Total	15

Fall Year 3	cr
Math 266: Differential Eq	3
ECE 311: Circuits II	4
ECE 320: Electronics I	3
ECE 321: Electronics II	2
ECE 376: Embedded Systems	4
Total	16

Fall Year 4	cr
ECE 403: Design II	2
Tech Eletive: (c)	3
ECE Elective (a)	3
ECE 341: Random Processes	3
Upper Level English	3
Social Science (b)	3
Total	17

Spring: Year 1	cr
Math 165: Calculus I	4
Math 129: Linear Algebra	3
ECE 111: Intro to ECE	3
ECE 173: C++ Programming	4
English 120	3
Total:	17

Spring: Year 2	cr
Math 265: Calculus III	4
EE 206: Circuits I	4
Physics 252: Univ Physics II	4
Technical Elective (b)	3
Total	15

Spring: Year 3	cr
ECE 401: Senior Design I	1
ECE 343: Signals and Systems	4
ECE 331: Energy Conversion	4
Engr 402: Eng Ethics	1
Humanities (a)	3
Social Science (a)	3
Total:	16

Spring: Year 4	cr
ECE 405: Senrior Design III	3
ECE Elective (b)	4
ECE Elective (c)	3
Tech Elective (d)	3
Humanities (b)	3
Total	16

note: Courses in red are the important courses to take: they are pre-requisites for follow on courses

Electrical Engineering

Starting in Math 103

Fall Year 1	cr
Math 103: Algebra	3
Chem 121	3
English 110	3
Comm 110: Communications	3
Wellness Elective	3
Total	15

Fall Year 2	cr
Math 165: Calculus I	4
Math 129: Linear Algebra	3
ECE 275: Digital Design	3
Humanities (b)	3
Social Science (b)	3
Total	16

Fall Year 3	cr
Math 265: Calculus III	4
EE 206: Circuits I	4
Physics 252: Univ Physics II	4
Upper Level English	3
Technical Elective (b)	3
Total	18

Fall Year 4	cr
ECE 343: Signals and Systems	4
ECE 403: Design II	2
ECE 331: Energy Conversion	4
Engr 402: Eng Ethics	1
Tech Eletive: (c)	3
ECE Elective (a)	3
Total	17

Spring: Year 1	cr
Math 105: Trigenometry	3
English 120	3
Humanities (a)	3
CSCI 160: Comp Sci I	4
Social Science (a)	3
Total:	16

Spring: Year 2	cr
Math 166: Calculus II	4
Physics 251: Univ Physics I	4
Phys 251L: Physical Science Lab	1
Technical Elective (a)	3
ECE 111: Intro to ECE	3
Total	15

Spring: Year 3	cr
Math 266: Differential Eq	3
ECE 311: Circuits II	4
ECE 320: Electronics I	3
ECE 321: Electronics II	2
ECE 401: Senior Design I	1
ECE 376: Embedded Systems	4
Total:	17

Spring: Year 4	cr
ECE 405: Senrior Design III	3
ECE 341: Random Processes	3
ECE Elective (b)	4
ECE Elective (c)	3
Tech Elective (d)	3
Total	16

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Computer Engineering

Starting in Math 105

Fall Year 1	cr
Math 105: Trigonometry	3
CSCI 160: Comp Sci I	4
Chem 121	3
English 110	3
Comm 110: Communications	3
Total	16

Fall Year 2	cr
Math 166: Calculus II	4
Physics 251: Univ Physics I	4
Phys 251L: Physical Science Lab	1
ECE 275: Digital Design	4
Wellness Elective	3
Total	16

Fall Year 3	cr
Math 266: Differential Eq	3
ECE 311: Circuits II (Tech Elect)	4
ECE 320: Electronics I	3
Tech Elective	3
ECE 376: Embedded Systems	4
Total	17

Fall Year 4	cr
ECE 403: Design II	2
ECE 475 Adv Dig Design (fa)	4
ECE 474 Comp Arch (fa)	3
CSCI 459: Comp Networks	3
Eng 402: Eng Ethics`	1
ECE 341: Random Proc	3
Total	16

Spring: Year 1	cr
Math 165: Calculus I	4
Math 129: Linear Algebra	3
CSCI 161: Comp Sci II	4
ECE 111: Intro to ECE	3
English 120	3
Total:	17

Spring: Year 2	cr
Math 265: Calculus III	4
EE 206: Circuits I	4
CSCI 222: Discrete Math	3
Humanities Elective (a)	3
Social Science Elective (a)	3
Total	17

Spring: Year 3	cr
ECE 401: Senior Design I	1
EE 374: Comp Org (sp)	3
CSCI 413: Software Eng	3
ECE 343: Signals and Systems	4
Humanities Elective (b)	3
Soc Sci Elective (b)	3
Total:	17

Spring: Year 4	cr
ECE 405: Senior Design III	3
CSCI 474: Operating Sys	3
ECE Elective (a)	3
Upper Level English	3
ECE Elective (b)	3
Total	15

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Computer Engineering

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Chem 121L	1
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Total	16

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Math 129: Linear Algebra	3
CSCI 161: Comp Sci II	4
ECE 275: Digital Design	4
Humanities Elective (b)	3
Total	18

Fall Year 3	cr
Math 265: Calculus III	4
EE 206: Circuits I	4
CSCI 413: Software Eng	3
CSCI 459: Comp Networks	3
Upper Level English	3
Total	17

Fall Year 4	cr
ECE 403: Design II	2
ECE 475 Adv Dig Design (fa)	4
ECE 474 Comp Arch (fa)	3
ECE 343: Signals and Systems	4
ECE 376: Embedded Systems	4
Total	17

Spring: Year 1	cr
Math 105: Trigonometry	3
CSCI 160: Comp Sci I	4
Humanities Elective (a)	3
English 120	3
Social Science Elective (a)	3
Total:	16

Spring: Year 2	cr
Math 166: Calculus II	4
Physics 251: Univ Physics I	4
ECE 111: Intro to ECE	3
CSCI 222: Discrete Math	3
Soc Sci Elective (b)	3
Total	17

Spring: Year 3	cr
Math 266: Differential Eq	3
ECE 311: Circuits II (Tech Elect)	4
ECE 320: Electronics I	3
EE 374: Comp Org (sp)	3
ECE 401: Senior Design I	1
Tech Elective	3
Total:	17

Spring: Year 4	cr
ECE 405: Senior Design III	3
ECE 341: Random Proc	3
CSCI 474: Operating Sys	3
ECE Elective (a)	3
ECE Elective (b)	3
Eng 402: Eng Ethics`	1
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