

OUTCOMES

1 (basic science & math)	2 (experiment)	3 (design)	4 (team)
5 (problems)	6 (responsibility)	7 (communication)	8 (broad education)
9 (life-long learning)	10 (contemporary)	11 (tools)	12 (discrete math)

RATINGS

 = 4 (“significant emphasis”)	 = 3 (“moderate emphasis”)	 = 2 (“some emphasis”)	 = 1 (“no emphasis”)
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	Credits	OUTCOMES											
		1	2	3	4	5	6	7	8	9	10	11	12
MATHEMATICS													
Math 241 Calculus I	4												
Math 242 Calculus II	4												
Math 243 Calculus III	3												
Math 244 Calculus IV	3												
Math 307 Linear Alg & Diff Equations	3												
EE 342 EE Probability & Statistics	3												
ICS 141 Discrete Math for Comp Sci I	3												
BASIC SCIENCES													
Chem 161 General Chemistry I	3												
Chem 162L General Chemistry I Lab	1												
Chem 162 General Chemistry II	3												
Phys 170 General Physics I	3												
Phys 170L General Physics I Lab	1												
Phys 172 General Physics II	3												
Phys 172L General Physics II Lab	1												
Phys 274 Genl Physics III	3												
CENG REQUIRED													
EE 160 Programming for Engineers	4												
EE 205 Object Oriented Pro	3												
EE 211 Basic Circuit Analysis I	4												
EE 213 Basic Circuit Analysis II	4												
EE 260 Intro to Digital Design	3												
EE 296 Sophomore Projects	1												
EE 315 Signals & System Analysis	3												
EE 323 Microelectronic Circuits I	3												
EE 323L Microelectronic Circuits I Lab	1												
EE 324 Physical Electronics	3												
EE 361 Digital Sys & Computer Design	3												
EE 361L Digital Sys & Computer Design Lab	1												
EE 367 Comp Data Struct & Algorithms	3												
EE 367L Comp Data Struct & Algms Lab	1												
EE 371 Engineering Electromagnetics I	3												
EE 396 Junior Projects	3												
EE 468 Intro to Operating Systems	3												
EE 495 Ethics in Electrical Engineering	3												
EE 496 Capstone Design Project	3												
CENG Technical Electives	6												
Engineering Breadth	3												

Figure 5-1. How the curriculum covers the outcomes.

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1 (basic science & math)	2 (experiment)	3 (design)	4 (team)
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








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		1	2	3	4	5	6	7	8	9	10	11	12
GENERAL EDUCATION													
ENG 100 Composition I	3												
COMG 251 Principles of Eff Pub Speaking I	3												
Writing Intensive (W) – 5 courses													
Oral Communication (O) – 1 course													
Hawaiian, Asian, and Pac Issues (H) – 1 course													
Global & Multicultural Perspectives	6												
Social Science	3												
Economics ECON 120, 130, or 131	3												

Figure 5-2. How general education requirements cover the outcomes.

Laboratory Types	Courses
Basic Science	Chem 161L General Chemistry Lab I Phys 170L General Physics I Lab Phys 272L General Physics II Lab
CENG	EE 211 Basic Circuit Analysis I EE 213 Basic Circuit Analysis II EE 260 Introduction to Digital Design EE 323L Microelectronic Circuits I Lab EE 361L Digital Systems and Computer Design Lab

Figure 5-3. Laboratory courses with equipment.