



Optical Engineering

Optical Engineers design and build devices that make like do something useful. Optical engineers advance technology by designing flat panel display systems, designing optical fiber communications, and designing laser systems for image processing and space propulsion. They also develop applications for nanotechnology and microelectric and mechanical systems (MEMS—tiny machines built on semiconductor chips). Optical

engineers will find employment in laboratories, hospitals, and universities to do research—producing breakthroughs with laser and other technology. Military and defense related firms will demand optical engineers to develop laser controlled weapon systems and improve MEMS technology.



Highlights

- Specialize in photonics, optical systems, and lasers.
- First accredited Optical Engineering program in the United States, est. 1991.
- Students work at NASA, AMRDEC, Dynetics, and other research facilities.
- Average median salary in 2012: \$84,676.



"Not only am I given challenging tasks, but I have also interacted with prominent employees, which has given me more determination to succeed. Co-Op has been a great experience and I would recommend it to anyone!"

Martez Taylor // Gadsden, Alabama

Junior, Electrical ENGINEERING

GO. LEARN. BE.

udent A#					Student Name (Last, First MI)	Offere F=Fal			
Semester, Fransfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency				
				English - 6 hours					
		EH 101	3	Freshman Composition I	Placement	F			
		EH 102	3	Freshman Composition II	EH 101	F			
				Mathematics - 18 hours					
		MA 171	4	Calculus A	MA 113 or MA 115 or Level III Placement	F			
		MA 172	4	Calculus B	MA 171	F			
		MA 201	4	Calculus C	MA 172	F			
		MA 238	3	Applied Differential Equations	Prereq w/Con: MA 201	F			
		MA 244	3	Introduction to Linear Algebra	MA 172	F			
				Chemistry - 4 hours					
		CH 121	3	General Chemistry I	Plcmt or CH 101, MA 113 or 115, Prereg w/Con: MA 171, Coreg: CH 125	F			
		CH 125	1	General Chemistry Lab I	Coreq: CH 121	F			
		011 120	_	Physics - 12 hours					
1		PH 111	3	General Physics w/Calculus I	MA 171, Coreq: 114	F			
		PH 111	1	General Physics Lab I	Coreq: PH 111	 			
		PH 112	3	General Physics Lab I General Physics w/Calculus II	MA 172, PH 111, Coreq: 115	F			
		PH 112	1	General Physics Wicalculus II General Physics Lab II	Coreq: PH 112	╁			
		PH 113	3	General Physics Lab II General Physics w/Calculus III	MA 201, PH 112, Coreq: 116	F			
		_	-	· · · · · · · · · · · · · · · · · · ·	Coreg: PH 113	_			
<u> </u>		PH 116	1	General Physics Lab III		F			
T		1		History, Social & Behavioral Sciences, Hur		-			
			3	History	HY 103, HY 104, HY 221, or HY 222	F			
			3	Literature	EH 207 or EH 208	F			
			3	Fine Art	ARH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	F			
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	F			
			3	Sequence Course (HY or EH)	http://www.uah.edu/images/colleges/engineering/CUE2%20Files/	F			
			3	HSBS/HFA	Forms/HSBS_HFA_Requirements_05202014.pdf	F			
				First-Year Engineering - 4 hours					
		FYE 101	1	First-Year Experience for Engineers	None				
		ENG 101	3	Computing for Engineers	Prereq w/Con: MA 171	(
ass has required lab	section			Optical Engineering Option - 61 hours					
ass has required lab	section	CPE 211	3	Intro to Computer Programming in Engineering	ENG 101, MA 171	F			
ass has required lab	section	CPE 211 EE 202	3		ENG 101, MA 171 ENG 101	_			
ass has required lab	section			Intro to Computer Programming in Engineering		F			
ass has required lab	section	EE 202	3	Intro to Computer Programming in Engineering Intro to Digital Logic Design	ENG 101	F			
ass has required lab	section	EE 202 EE 203	3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab	ENG 101 EE 202	F F			
ass has required lab	section	EE 202 EE 203 EE 213 EE 307	3 1 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201	F F			
ass has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308	3 1 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307	F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310	3 1 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238	F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 313	3 1 3 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213	F F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 313 EE 315	3 1 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213	F F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 313 EE 315 EE 316	3 1 3 3 3 3 3 3 1	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315	F F F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 313 EE 315 EE 316 ISE 321	3 1 3 3 3 3 3 3 1	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 MA 171	F F F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 313 EE 315 EE 316 ISE 321 OPT 341	3 1 3 3 3 3 3 3 1 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244)	F F F			
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iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 315 EE 316 ISE 321 OPT 341 OPT 342 EE 382 EE 383 EE 384 EE 385 EE 412	3 1 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 1 3 3 3 3 1 1 3 1 1 3 1	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics Physical Optics Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244) OPT 341 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing	F F F F F F F F F F F F F F F F F F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 315 EE 316 ISE 321 OPT 341 OPT 342 EE 382 EE 383 EE 384 EE 385 EE 412 OPE 451	3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics Physical Optics Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optoelectronics	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244) OPT 341 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing Prereq w/Con: EE 307, EE 315	F F F F F F F F F F F F F F F F F F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 315 EE 316 ISE 321 OPT 341 OPT 342 EE 382 EE 383 EE 384 EE 385 EE 412 OPE 451	3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics Physical Optics Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optoelectronics Laser Systems	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244) OPT 341 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con: EE 383 CPE 381 or EE 382 Senior Standing Prereq w/Con: EE 307, EE 315 EE 307	F F F F F F F F F F F F F F F F F F F			
ass has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 315 EE 316 ISE 321 OPT 341 OPT 342 EE 382 EE 383 EE 384 EE 385 EE 412 OPE 451 OPE 453	3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics Physical Optics Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optoelectronics Laser Systems Optical Fiber Communications	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244) OPT 341 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Fereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing Prereq w/Con: EE 307, EE 315 EE 307 EE 307 or PH 432	F F F F F F F F F F F F F F F F F F F			
ass has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 315 EE 316 ISE 321 OPT 341 OPT 342 EE 382 EE 383 EE 384 EE 385 EE 412 OPE 451	3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics Physical Optics Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optoelectronics Laser Systems Optical Fiber Communications Photonics Lab	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244) OPT 341 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con: EE 383 CPE 381 or Prereq w/Con: EE 383 CPE 381 or EE 382 Senior Standing Prereq w/Con: EE 307, EE 315 EE 307 EE 307 or PH 432 OPE 451				
ass has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 315 EE 316 ISE 321 OPT 341 OPT 342 EE 382 EE 383 EE 384 EE 385 EE 412 OPE 451 OPE 453	3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics Physical Optics Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optoelectronics Laser Systems Optical Fiber Communications Photonics Lab Optical Engineering Design I	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244) OPT 341 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con: EE 383 CPE 381 or Prereq w/Con: EE 383 CPE 381 or EE 382 Senior Standing Prereq w/Con: EE 307, EE 315 EE 307 EE 307 or PH 432 OPE 451 ISE 321, Prereq w/Con: OPE 456	F F F F F F F F F F F F F F F F F F F			
iss has required lab	section	EE 202 EE 203 EE 213 EE 307 EE 308 EE 310 EE 315 EE 316 ISE 321 OPT 341 OPT 342 EE 382 EE 383 EE 384 EE 385 EE 412 OPE 451 OPE 453 OPE 456	3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Intro to Digital Logic Design Digital Logic Design Lab Electrical Circuit Analysis I Electricity and Magnetism Electromagnetic Engineering Solid State Fundamentals Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Engineering Economy Geometrical Optics Physical Optics Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optoelectronics Laser Systems Optical Fiber Communications Photonics Lab	ENG 101 EE 202 Prereq w/Con: PH 112, MA 201 PH 112, MA 201, EE 213 EE 307 PH 113, Prereq w/Con: MA 238 EE 213 EE 213 Prereq w/Con: EE 315 MA 171 PH 113, Prereq w/Con: (PH 305 or MA 244) OPT 341 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con: EE 383 CPE 381 or Prereq w/Con: EE 383 CPE 381 or EE 382 Senior Standing Prereq w/Con: EE 307, EE 315 EE 307 EE 307 or PH 432 OPE 451	F F F F F F F F F F F F F F F F F F F			

All prerequisite classes must be completed with a "C" or higher grade. The Catalog is the final authority for all degree requirements.

Academic Flowchart

Physics

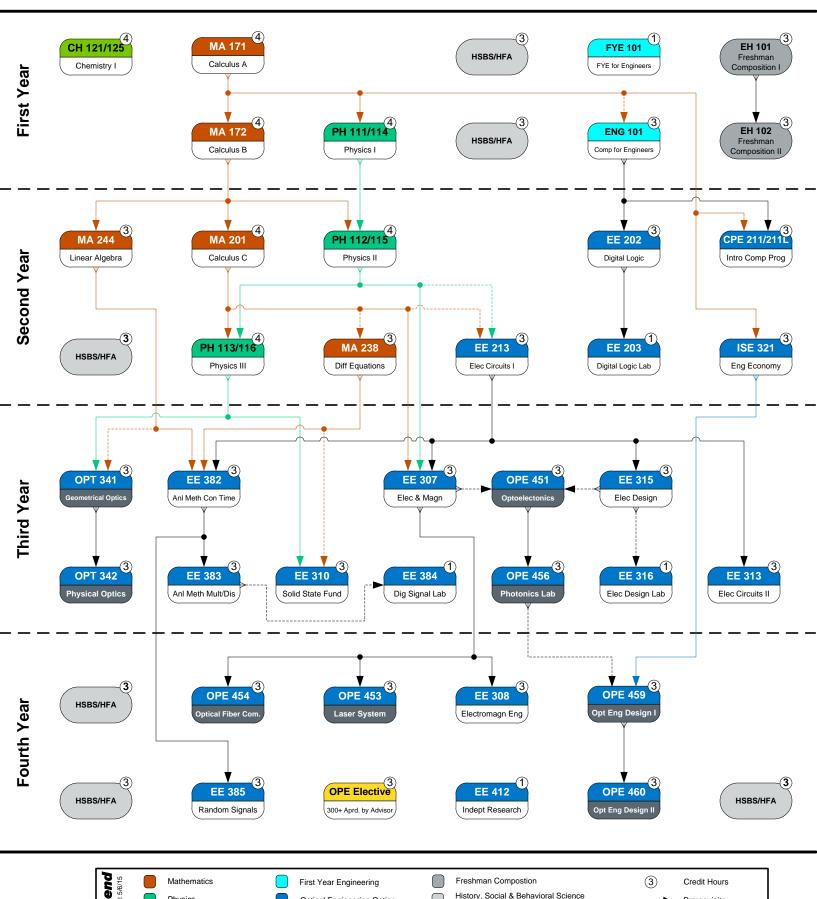
Chemistry / Biology



Optical Engineering 2015/2016 (129 Hours)

Prerequisite

Prereq w/concurrency



Optical Engineering Option

Engineering Elective

Humanity & Fine Art

Offered only in semester listed



Electrical and Computer Engineering Department: 4-Year Rolling Class Schedule, Fall 2015 - Spring 2019*

	Fall 2015	Anticipated Sections	Spring 2016	Anticipated Sections	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
CPE 112** Intro to Comp Prog in Eng	Υ	1	Υ	1	N	N	N	N	N	N
CPE 211** Intro to Comp Prog in Eng	N	0	N	0	Y	Υ	Υ	Υ	Υ	Υ
CPE 212 Fund of Software Eng	Y	1	Υ	1	Υ	Υ	Υ	Υ	Y	Υ
CPE 221 Computer Organization	Y	1	Υ	1	Y	Υ	Υ	Υ	Υ	Υ
CPE 322 Digital Hardware Design	N	0	Υ	1	N	Υ	N	Υ	N	Υ
CPE 323 Intro Embedded Comp Sys	Y	1	E	1	Υ	Е	Υ	E	Υ	Е
CPE 324 Digital Hardware Des Lab	N	0	Υ	4	N	Υ	N	Υ	N	Υ
CPE 325 Embedded Comp Sys Lab	Y	5	E	6	Υ	Е	Υ	Е	Υ	Е
CPE 353 Software Design/Eng	Υ	2	N	0	Υ	N	Υ	N	Υ	N
CPE 381 Fund of Signals/Systems	Υ	1	Υ	1	E	Υ	Е	Υ	Е	Υ
CPE 412 Intro to Parallel Prog	Υ	1	N	0	Y	N	Υ	N	Υ	N



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CPE 423 Hardwr/Softwr Co-Design	Υ	1	N	0	N	N	Υ	N	N	N
CPE 426 Modeling/Synthesis	N	0	D	1	D	D	D	D	D	D
CPE 427** VLSI Design I	N	0	N	0	Υ	N	N	N	Υ	N
CPE 428** VLSI Design II	N	0	D	0	D	D	D	D	D	D
CPE 431 Intro to Comp Architecture	Υ	2	N	0	Υ	N	Υ	N	Υ	N
CPE 434 Operating Systems	Υ	1	Υ	0	N	Υ	N	Υ	N	Υ
CPE 435 Operating Systems Lab	Υ	2	Υ	0	N	Υ	N	Υ	N	Υ
CPE 436 Internals of Mod Oper Sys	N	0	N	0	N	Υ	N	N	N	Υ
CPE 438 Real Time/Embedded Sys	N	0	D	0	D	D	D	D	D	D
CPE 448 Intro to Comp Networks	Υ	1	Υ	1	E	Υ	E	Υ	Е	Υ
CPE 449** Intro to Info Assurance Eng	Υ	1	N	0	Υ	N	Υ	N	Υ	N
CPE 453 Senior Software Studio	N	0	Υ	1	N	Υ	N	Υ	N	Υ
CPE 495 Comp Eng Design I	Υ	1	N	0	Υ	N	Υ	N	Υ	N



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CPE 496 Comp Eng Design II	N	0	Υ	2	N	Y	N	Υ	N	Υ
EE 100** Fund Elec/Comp/Opt Eng	Y	1	Υ	1	N	N	N	N	N	N
EE 202 Intro to Digital Logic Des	Y	2	Υ	2	Υ	Υ	Υ	Y	Υ	Υ
EE 203 Digital Logic Design Lab	Y	3	Υ	4	Υ	Υ	Υ	Y	Υ	Υ
EE 213 Electrical Circuit Analysis I	Υ	4	Υ	4	Υ	Υ	Υ	Υ	Υ	Υ
EE 223 Design/Analysis using Comp	N	0	N	0	N	Υ	Υ	Υ	Υ	Υ
EE 307 Electricity/Magnetism	Υ	1	E	1	Υ	E	Υ	E	Υ	E
EE 308 Electromagnetic Eng	Υ	1	Υ	1	E	Υ	E	Υ	E	Υ
EE 310 Solid State Fundamentals	Y	1	E	1	Υ	E	Υ	E	Υ	E
EE 313 Electrical Circuit Analysis II	Υ	1	E	1	Υ	E	D	D	D	D
EE 315 Intro Elec Analysis/Design	Υ	1	E	1	Υ	E	Υ	E	Υ	E
EE 316 Electronic Meas/Devices Design Lab	Υ	5	Υ	5	E	Υ	E	Υ	E	Υ
EE 382 Analytical Meth Contin Time Sys	Υ	1	E	1	Υ	E	Υ	E	Υ	E



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EE 383 Analytical Meth Multi/Discr Time Sys	Y	1	Υ	1	Е	Υ	Е	Υ	E	Υ
EE 384 Digital Signal Processing Lab	Y	3	Υ	2	Е	Υ	Е	Υ	E	Υ
EE 385 Random Signals/Noise	Y	1	Υ	1	Е	Υ	E	Υ	Е	Υ
EE 386 Intro to Control/Robotic Systems	Y	1	Υ	1	Е	Υ	Е	Υ	Е	Υ
EE 401 Digital Signal Proc Architectures	N	0	D	0	D	D	D	D	D	D
EE 411 Electric Power Systems	Υ	1	Υ	1	N	Υ	N	Υ	N	Υ
EE 414 Analog and Digital Filter Design	N	0	Υ	1	N	Υ	N	Υ	N	Υ
EE 416 Electronics II	N	0	Υ	1	N	Y	N	Υ	N	Υ
EE 423 Communication Sys/Simulation	Υ	1	N	0	N	N	Υ	N	N	N
EE 424 Intro to Data Comm Networks	Υ	1	N	0	Υ	N	Y	N	Υ	N
EE 426 Communication Theory	N	0	Υ	1	N	Y	N	Υ	N	Υ
EE 427** VLSI Design I	N	0	D	0	D	D	D	D	D	D
EE 428** VLSI Design II	N	0	D	0	D	D	D	D	D	D



EE 436 Digital Electronics	Υ	1	N	0	Υ	N	Υ	N	Υ	N
EE 437 Electr Manufaturing Processes	N	0	N	0	N	N	N	N	N	N
EE 451 Optoelectronics	Υ	1	N	0	Υ	N	Υ	N	Υ	N
EE 453 Laser Systems	Υ	1	N	0	Υ	N	Υ	N	Υ	N
EE 454 Optical Fiber Communications	N	0	Υ	1	N	Υ	N	Υ	N	Υ
EE 486 Intro to Modern Control Systems	N	0	D	0	D	D	D	D	D	D
EE 494 EE Design Projects	Υ	2	Υ	2	E	Υ	E	Υ	E	Υ
OPE 441 Optical Systems Design	N	0	D	0	D	D	D	D	D	D
OPE 442 Interference and Diffraction	N	0	D	0	D	D	D	D	D	D
OPE 451 Optoelectronics	Υ	1	N	0	Υ	N	Υ	N	Υ	N
OPE 453 Laser Systems	Υ	1	N	0	Υ	N	Υ	N	Υ	N
OPE 454 Optical Fiber Communications	N	0	Υ	1	N	Υ	N	Υ	N	Υ
OPE 456 Photonics Lab	N	0	Y	1	N	Y	N	Υ	N	Υ



OPE 459 Optical Engineering Design I	Υ	1	N	0	Υ	N	Υ	N	Υ	N
OPE 460 Optical Engineering Design II	Y	1	Y	1	N	Y	N	Υ	N	Y

Legend

Υ	Course will be offered in designated term.
Е	Course will likely be offered in designated term, but availability will be determined by faculty availability and budget.
N	Course will not be offered in designated term.
D	Course may be made available given appropriate demand or interest.

UAH College of Engineering will make every effort to adhere to the class plan schedule, but it reserves the right to make necessary adjustments based on budget and faculty availability.

Course has a required lab section.



Center for Undergraduate Engineering Education

