

Student A#

Student Name (Last, First MI)

Offered:
F=Fall
S=Spring
M=Summer

Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	Offered:
English - 6 hours						
		EH 101	3	Freshman Composition I	Placement	FSM
		EH 102	3	Freshman Composition II	EH 101	FSM
Mathematics - 18 hours						
		MA 171	4	Calculus A	MA 113 or MA 115 or Level III Placement	FSM
		MA 172	4	Calculus B	MA 171	FSM
		MA 201	4	Calculus C	MA 172	FSM
		MA 238	3	Applied Differential Equations	Prereq w/Con: MA 201	FSM
		MA 244	3	Introduction to Linear Algebra	MA 172	FSM
Chemistry - 4 hours						
		CH 121	3	General Chemistry I	Plcmt or CH 101, MA 113 or 115, Prereq w/Con: MA 171, Coreq: CH 125	FSM
		CH 125	1	General Chemistry Lab I	Coreq: CH 121	FSM
Physics - 12 hours						
		PH 111	3	General Physics w/Calculus I	MA 171	FSM
		PH 114	1	General Physics Lab I	Prereq w/Con: PH 111	FSM
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111	FSM
		PH 115	1	General Physics Lab II	Prereq w/Con: PH 112	FSM
		PH 113	3	General Physics w/Calculus III	MA 201, PH 112	FSM
		PH 116	1	General Physics Lab III	Prereq w/Con: PH 113	FSM
History, Social & Behavioral Sciences - 9 hours						
		HY	3	History	See History, Social & Behavioral Science (HSBS) List; http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms	FSM
			3		Must have six hour sequence in either HSBS or HFA.	FSM
			3			FSM
Humanities & Fine Arts - 9 hours						
		EH	3	Literature	See Humanities & Fine Art (HFA) List; http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms	FSM
			3	Fine Arts	Must have six hour sequence in either HSBS or HFA.	FSM
			3			FSM
**	Class has required lab section					
Engineering Core - 12 hours						
**		CPE 112	3	Intro to Computer Programming in Engineering	MA 113, MA 115 or Level III Placement, Coreq: CPE 112L	FSM
		EE 213	3	Electrical Circuit Analysis I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244 or MAE 285)	FSM
		EE 310	3	Solid State Fundamentals	PH 113, Prereq w/Con: MA 238	FS
		ISE 321	3	Engineering Economy	Sophomore Standing	FSM
Optical Engineering Option - 33 hours						
		EE 307	3	Electricity and Magnetism	EE 213	FSM
		EE 308	3	Electromagnetic Engineering	EE 307	FS
		EE 313	3	Electrical Circuit Analysis II	EE 213	FSM
		OPE 451	3	Optoelectronics	Prereq w/Con: EE 307, EE 315	F
		OPE 453	3	Laser Systems	EE 307	F
		OPE 454	3	Optical Fiber Communications	EE 307 or PH 432	F
		OPE 456	3	Photonics Lab	OPE 451	S
		OPE 459	3	Optical Engineering Design I	ISE 321, Prereq w/Con: OPE 456	F
		OPE 460	3	Optical Engineering Design II	OPE 459	S
		OPT 341	3	Geometrical Optics	PH 113, Prereq w/Con: (PH 305 or MA 244)	F
		OPT 342	3	Physical Optics	OPT 341	S
Electrical Engineering Requirements - 22 hours						
**		EE 100	3	Fund of Computer, Electrical & Optical Eng	Prereq w/Con: MA 112, Coreq: EE 100L	FSM
		EE 202	3	Intro to Digital Logic: Design	CPE 112, EE 100	FSM
		EE 203	1	Digital Logic Design Lab	EE 202	FSM
		EE 315	3	Introduction to Electronic Analysis and Design	EE 213	FSM
		EE 316	1	Electronic Measurements & Devices Design Lab	Prereq w/Con: EE 315	FS
		EE 382	3	Analytical Meth for Continuous Time Sys	EE 213, MA 238	FSM
		EE 383	3	Analytical Meth for Mult and Discr Time Sys	EE 382	FSM
		EE 384	1	Digital Signal Processing Laboratory	CPE 381 or Prereq w/Con:EE 383	FS
		EE 385	3	Random Signals and Noise	CPE 381 or EE 382	FSM
		EE 412	1	Independent Research	Senior Standing	FSM
Optical Engineering Elective - 3 hours						
			3		300 - level or above approved by advisor.	

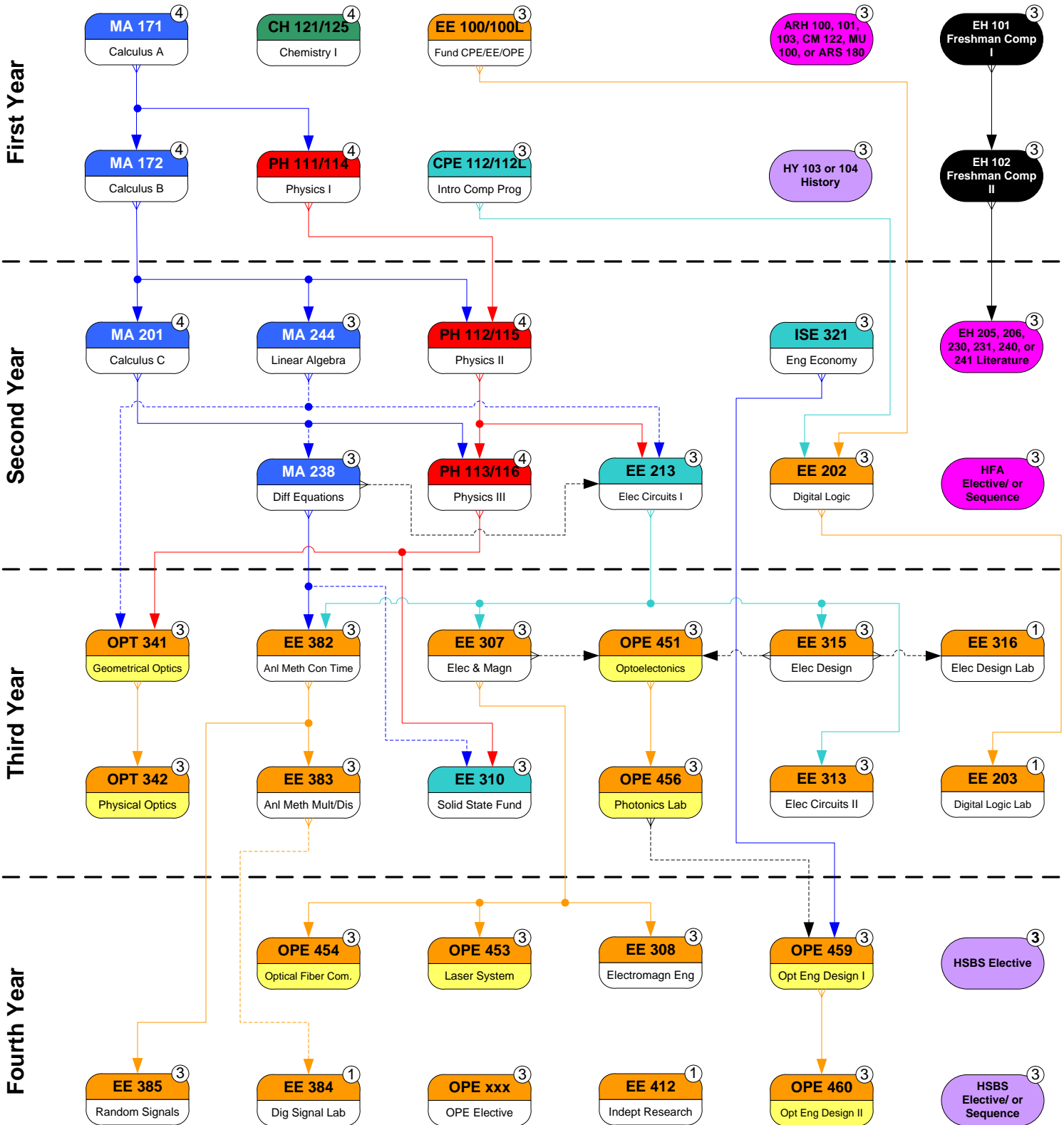
*All prerequisite classes must be completed with a "C" or higher grade.
The Catalog is the final authority for all degree requirements.*

Updated: 9/5/2012

Optical Engineering Program 2012/2013 (128 Hours)

UAHuntsville

Optical Engineering Program 2012/2013 (128 Hours)



Legend	Freshman Comp	Hum. & Fine Arts
	Mathematics	Engineering Core
	Chemistry	Optical Engineering Option
	Physics	Offered that semester only
	History, Social & Behavioral Sciences	Credit Hours
	Prerequisite	Prereq w/concurrency



Department Electrical & Computer	Prepared by Jacob Kerstiens	Date 6/8/12
Program Optical Engineering Program	Approved by	Date