

Suggested Program of Study for students working less than 20 hours per week:

Year One	Fall Semester	
Sub./Cat. #	Course Title	Cr. Hr.
MATH 1210	Calculus I	4
CHEM 1210	Chemistry I	4
CHEM 1215	Chemistry I Lab	1
ME EN 1000	Intro to Robotic Systems Design I	3
WRTG 2010	Writing (or E-LEAP SEMINAR ²)	3
Total Credit Hours		15

Year One	Spring Semester	
Sub./Cat. #	Course Title	Cr. Hr.
Math 1220	Calculus II	4
Phys 2210	Physics I	4
ME EN 1300	Statics/Strengths	4
ME EN 1010	Intro to Robotic Systems Design II	3
Total Credit Hours		15

Year Two	Fall Semester	
Sub./Cat. #	Course Title	Cr. Hr.
Math 2250	ODEs/Linear Algebra	4
Physics 2220	Physics II	4
MSE 2160	Materials Science	3
ME EN 2500	Intro to Sustainable Energy Systems Design I	3
	American Institutions ¹	3
Total Credit Hours		17

Year Two	Spring Semester	
Sub./Cat. #	Course Title	Cr. Hr.
Math 2210	Calculus III	3
ECE 2210	Electrical Eng. w/Lab	3
ME EN 2080	Dynamics	4
ME EN 2510	Intro to Sustainable Energy Systems Design II	3
ME EN 2660	Machining Lab	0.5
	Intellectual Exploration ¹	3
Total Credit Hours		16.5

Year Three	Fall Semester	
Sub./Cat. #	Course Title	Cr. Hr.
ME EN 3200	Mechatronics I w/Lab	4
ME EN 3600	Thermodynamics w/Lab	3
ME EN 3700	Fluids w/ Lab	4
ME EN 3300	Strengths II w/Lab	4
ME EN 3900	Professionalism & Ethics Seminar	0.5
Total Credit Hours		15.5

Year Three	Spring Semester	
Sub./Cat. #	Course Title	Cr. Hr.
Math 3150	PDEs	2
ME EN 3000	Design of Mechanical Elements	4
ME EN 3210	Mechatronics II w/Lab	4
ME EN 3650	Heat Transfer w/Lab	3
	Technical Elective ¹	3
Total Credit Hours		16

Year Four	Fall Semester	
Sub./Cat. #	Course Title	Cr. Hr.
ME EN 4000	4th Yr. Design	3
ME EN 4060	Manufacturing Processes	3
	Technical Elective ¹	3
	2 Intellectual Exploration ¹	6
Total Credit Hours		15

Year Four	Spring Semester	
Sub./Cat. #	Course Title	Cr. Hr.
ME EN 4010	4th Yr. Design II	3
	2 Technical Electives ¹	6
	3 Intellectual Exploration ¹	9
Total Credit Hours		18

Overall Total Credit Hours 128

NOTES:

¹ Intellectual Exploration, American Institutions and Technical Elective courses may be taken in any sequence.

² <http://www.leap.utah.edu/?pageId=3558>; students wanting to take the 2nd E-LEAP seminar Spring semester of the first year may need to push one of the listed courses to Summer semester.

Revised 2-6-12 DJM