



Approved 18 July 2017 by Prof. K. Frampton

Semester 1	Course	Hrs
CHEM 1601, 1601L (102A, 104A)	General Chemistry	4
ES 1401, 2, 3 (140A, B, C)	Intro to Engineering	3
MATH 1300 (155A)	Acc Single-Var Calculus I	4
	LAC	3
	Vanderbilt Visions	0
	total hours	14

Semester 2	Course	Hrs
CS 1101 or 1103 (101 or 103)	Programming	3
MSE 1500, 1500L (150, 150L)	Materials Science I	4
MATH 1301 (155B)	Acc Single-Var Calculus II	4
PHYS 1601, 1601L (116A, 118A)	General Physics I	4
	total hours	15

Semester 3	Course	Hrs
CE 2200 (180)	Statics	3
	LAC	3
MATH 2300 (175)	Multivariable Calculus	3
ME 2160 (160)	Intro to ME Design	3
PHYS 1602, 1602L (116B, 118B)	General Physics II & Lab	4
	total hours	16

Semester 4	Course	Hrs
EECE 2112 (112)	Circuits I	3
	LAC	3
MATH 2420 (198)	Methods of Ord Diff Eqs	3
ME 2190 (190)	Dynamics	3
ME 2171 (171)	Instrumentation Lab	2
ME 2220 (220)	Thermodynamics	3
	total hours	17

Semester 5	at GA Tech Lorraine	Hrs
MATH 3670 (MATH 2810)	Probability & Statistics w/ Applications	3
ME 3340 (3 hrs ME 3224 (224))	Fluid Mechanics	3
ME 3017 (3 hrs ME 3234 (234))	Systems Dynamics*	3
	Technical elective	3
	LAC	3
	total hours	15

Semester 6	Course	Hrs
CE 2205 (182)	Mechanics Of Materials	3
ME 3204 (204)	Mechatronics	3
ME 3248/248	Heat Transfer	3
	ME depth elective	3
	Open elective	3
	LAC	3
	total hours	18

Semester 7	Course	Hrs
ME 3202 (202)	Mach Analysis and Design	3
ME 4213 (213)	Energetics Laboratory	2
ME 4950 (242)	Design Synthesis	2
ME 4959 (297)	Sr Engr Design Seminar	1
MSE 2205 (232)	Stre & Stru of Engr Mtls	1
	ME depth elective*	4
	LAC	3
	total hours	16

Semester 8	Course	Hrs
ME 4951 (243)	Eng Design Projects	3
	ME depth elective	3
	Technical elective	3
	Technical elective	3
	Open elective	3
	total hours	15

Total hours = 126

This curriculum plan is a guide but is NOT authoritative. The Undergraduate Catalog is the authoritative document regarding degree requirements. Students considering studying abroad should consult the catalog and discuss their plans with their academic advisers.

**Systems Dynamics at GA Tech Lorraine is 3 cr hrs vs 4 cr hrs for VU's ME 3234. To make up for this missing hour, one additional credit hour of ME depth elective is required.*