

Sample Course Sequence for the ESG Major

The following is a sample sequence for the core courses students must complete satisfactorily in order to graduate in the ESG major. All courses taken to satisfy requirements that are marked with # must be taken for a letter grade of C or higher. For course substitutions, please see the Undergraduate Program Director. **Fall 2008**

Freshman Fall	Credits
First Year Seminar 101	1
D.E.C. A Writing	3
ESG 100 Intro to ESG	3
AMS 151 Differential#	3
PHY 131, 133 Class Phy I#	4
ESG 111 C Programming	3
Total	17

Freshman Spring	Credits
First Year Seminar 102	1
D.E.C.	3
AMS 161 Integral#	3
ESG 198 Fund of Eng Chem	4
PHY 132, 134 Class Phy II#	4
Total	15

Sophomore Fall	Credits
AMS 261 Multivariable	4
ESE 271 Elec Circ Anal I	4
MEC 260 Statics	3
ESG 217 Eng Sci Des I#	3
ESG 302 Thermo#	4
Total	18

Sophomore Spring	Credits
AMS 361 Differential Eqtn	4
ESG 281 Solid State Phy	4
D.E.C.	3
D.E.C.	3
Total	14

Junior Fall	Credits
ESG 312# and 300 Eng Lab	3
ESG 332 Mat Sci I #	4
ESG 333 Mat Sci II	4
D.E.C.	3
D.E.C.	3
Total	17

Junior Spring	Credits
ESM 335 Strength of Mats	4
ESM 336 Elec Mats	3
ESG 339 Thin Film Proc	4
Technical Elective#	3
ESG 316 Eng Sci Des II	4
Total	18

Senior Fall	Credits
ESM 450 Eng Sys Lab	3
ESG 440 Sr. Des I#	3
Technical Elective#	3
Technical Elective#	3
D.E.C.	3
ESG 375 FE Prep	1
Total	16

Senior Spring	Credits
ESM 350 Adv Eng Lab	3
ESM 355 Mat & Proc in Manuf	3
ESG 441 Sr. Des II#	3
Technical Elective#	3
D.E.C.	3
Total	15