

**Nuclear Engineering
University of Florida – Fall 2012**

Semester	1	2	3	4	5	Credits
Fall	Calculus 1 MAC2311 (4)	General Education Composition (3)	General Education Humanities (3)	General Chemistry CHM2045 & 2045L (4)	Introduction to NE (Seminar) ENU1000 (1)	15
Spring	Calculus 2 MAC2312 (4)	Professional Communication for Engineers ENC3254 (3)	General Education Social Science (3)	Phy. Calc. 1 PHY2048 & 2048L (4)		14
Fall	Calculus 3 MAC 2313 (4)	General Education Humanities (3)	Engineering Statistics STA 3032 (3)	Phy. Calc. 2 PHY 2049 & 2049L (4)	Fundament. of NE (Seminar) ENU4934 (1)	15
Spring	Differential Equations MAP 2302 (3)	Thermodynamics 1 EML 3100 (3)	Computer Programming COP 2271 (2)	BSC 2010 or CHM2046 (3)	Engineering Statics EGM 2511 (3)	14
Summer	General Education Social Science (3)	Materials EMA 3010 (3)	Mechanics of Materials EGM 3520 (3)			9
Fall	Nucl Engr Anal. 1 ENU 4001 (4)	Radiation Inter & Sources 1 ENU 4605 (4)	Professional Ethics EGN 4034 (1)	Elements of Elec Engr EEL 3003 (3)	Fluid Mechanics EGN3353C (3)	15
Spring	Reactor Systems ENU 4144 (3)	Reactor Anal. & Computat. 1 –Statics ENU 4103 (4)	Heat Transfer 1 EML 4140 (3)	General Education Humanities (3)	Nuclear Reactor Materials ENU4800 (3)	16
Fall	Radiation Shielding ENU 4630 (3)	Technical Elective (Engr, Sci or NE) (3)	Reactor Thermal Hydraulics 2 ENU 4134 (4)	Rad. Detection ENU 4612 C (4)	Elements of NE Design ENU 4191 (1)	15
Spring	Risk Analysis ENU 4145 (3)	Radiation Protection ENU 4641 (2)	NE Design ENU 4192 (3)	Nucl. Engr. Lab ENU 4505L (3)	Tech. Elective (Engr, Sci or NE) (3)	14

127 credits for B.S.N.E Degree

Figure 4.3 Curriculum for the BSNE Degree Effective Fall 2012