

## Curriculum 305 – Engineering Science (AS)

### First Semester Courses:

ENGR 1201	Engineering Science Orientation	
COMP XXXX	per COMP recommendation	
CHEM 1984	Chemical Principles I	(Register for Lecture and Lab)
MATH 1084	Calculus I	OR (per Math recommendation)
XXXX XXXX	Technical Elective from the list below or Gen Ed/LAS	

### Current Technical Electives:

BIOL 1104	General Biology I
BIOL 2204	General Biology II
CHEM 2984	Chemical Principles II
CHEM 3514	Organic Chemistry I
CHEM 4254	Organic Chemistry II
CISY 4003	Introduction to Data Structures
CISY 5123	Scientific Programming in C & C++
CIVL 1204	Surveying I
CIVL 2204	Surveying II
ELET 1133	Digital Logic
ELET 1111	Digital Logic Laboratory
ELET 1143	Electronic Fabrication
ELET 2143	Embedded Controller Fundamentals
ELET 4154	Intro to Microelectronics
ELET 3144	Embedded Controller Applications
ELET 4224	Alternative Energy Generation
MATH 7113	Economic Analysis for Engineering Technology
MATH 7123	Statistics for Engineering Technology
MECH 1203	Materials Science
MECH 4003	Solid Modeling
MECH 1603	Graphics/CAD
MECH 1663	Manufacturing Processes & Lab
PHYS 8013	Modern Physics