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