

## How to Use this Guide

This guide is meant to offer advice on courses to take in the first year of college in order to progress towards a degree for new students at UNC Asheville, or their advisors. Completing a degree will require completion of both the Integrative Liberal Studies (ILS) curriculum as well as major requirements set by the department you choose to declare a major in.

Please [read the general plan first](#). This has information on 100-level requirements for ILS. Then you may review the section on your intended major. Designing your first-year plan will likely consist of beginning with the recommendations under your major, and then adding any and all ILS courses that you feel comfortable taking in your first year.

## Engineering

- The Engineering program has very specific recommendations for students in the first year.
- The first year plan is applicable both to the Mechatronics major and the 2+2 Engineering major in partnership with NC State University.
- Students should begin the mathematics requirements for the major with MATH 191: Calculus I (4). If students place into MATH 167: Precalculus (4), they should be aware that they may not be able to complete the degree in exactly four years. MATH 167, 191, or 192: Calculus II (4) can all be used to cover the ILS Mathematics requirement as well.
- Engineering students are required to receive credit for Cluster 3. This includes CHEM 132: General Chemistry (3), ECON 102: Principles of Microeconomics (3), and MSE 201: Structures and Properties of Engineering Materials (3). CHEM 132 is recommended in the first fall semester.
- EGM 180: Introduction to Mechatronics Laboratory (4), recommended in the second semester, is also a Writing Intensive course.
- Students intending to major in either Mechatronics or Engineering should meet with an advisor in the Engineering department as soon as possible to confirm their schedule.

### 1<sup>st</sup> Semester: 16

(IT) LISC 179: Colloquium (3)  
(IR) LANG 120: Acad. Writing (4)  
(BT) MATH 191: Calculus I (4)  
(MT) E 101: Intro to Eng. & Problem Solving (1)  
(MT) CHEM 132: Gen. Chemistry (3)  
(MT) CHEM 111: Gen. Chem. Lab (1)

### 2<sup>nd</sup> Semester: 17

(IR) HUM 124: Ancient World (4)

(MT) MATH 192: Calculus II (4)  
(MT) PHYS 221: Physics I (4)  
(MT) EGM 180: Intro to Mechatronics lab (2)  
(MT) ECE 109: Intro to comp. systems (3)

June 2009