# Course Planning Sheet

## English Composition
- **ENG 111 Writing and Inquiry**
  - Credits: 3
- **ENG 112 Writing/Research in the Disciplines**
  - Credits: 3

## Humanities and Communications
- **COM 231 Public Speaking**
  - Credits: 3
- **Select one:**
  - **ENG 231 American Literature I**
  - **ENG 232 American Literature II**
  - **PHI 215 Philosophical Issues**
  - **PHI 240 Introduction to Ethics**
  - Credits: 3

## Social and Behavioral Sciences
- **ECO 251 Principles of Microeconomics**
  - Credits: 3
- **Select one:**
  - **HIS 111 World Civilizations I**
  - **HIS 112 World Civilizations II**
  - **HIS 131 American History I**
  - **HIS 132 American History II**
  - **POL 120 American Government**
  - **PSY 150 General Psychology**
  - **SOC 210 Introduction to Sociology**
  - Credits: 3

## Mathematics
- **MAT 171 Precalculus Algebra** *(prerequisite for MAT 172 and 271)*
  - Credits: 4
- **MAT 172 Precalculus Trigonometry** *(prerequisite for 271)*
  - Credits: 4
- **MAT 271 Calculus I**
  - Credits: 4
- **MAT 272 Calculus II**
  - Credits: 4
- **MAT 273 Calculus III**
  - Credits: 4

## Natural Sciences
- **CHM 151 General Chemistry I**
  - Credits: 4
- **PHY 251 General Physics I** *(prerequisite MAT 271 & corequisite MAT 272)*
  - Credits: 4
- **PHY 252 General Physics II**
  - Credits: 4

## Other Required Courses
- **EGR 150 Introduction to Engineering** *(recommended first semester)*
  - Credits: 2
- **ACA 122 College Transfer Success** *(recommended first semester)*
  - Credits: 1

## Pre-Major Courses
- **Select 15 credit hours from the following courses.** Students should choose courses appropriate to the specific university and engineering requirements. Students may have to meet the receiving university’s foreign language and/or health and physical education requirements prior to or after transfer, to the senior institution.
  - **CSC 134 C++ Programming**
    - Credits: 3
  - **DFT 170 Engineering Graphics**
    - Credits: 3
  - **EGR 212 Logic System Design I**
    - Credits: 3
  - **EGR 220 Engineering Statics**
    - Credits: 3
  - **EGR 228 Introduction to Solid Mechanics**
    - Credits: 3
  - **MAT 280 Linear Algebra** *(prerequisite MAT 271)*
    - Credits: 3
  - **MAT 285 Differential Equations** *(prerequisite MAT 272)*
    - Credits: 3

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**Minimum total credit hours for degree completion**: 60

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Updated: Transfer Resource Center 8.2015