### Lower Division General Education Requirements (39 units)

**BLOCK A** – Basic Subjects (9 units)

- **A1**: COMM 1100 or HNRS 1100  
  Oral Communication (3)
- **A2**: ENGL 1005B or ENGL 1010  
  Written Communication (3)
- **A3**: COMM1200/ENGL 1005/PHIL 1600/POLS 1555  
  Critical Thinking and Composition (3)

**American Institutions (6 units)**

- **U.S. History**
- **POLS 1000**

**BLOCK B** – Natural Sciences & Mathematics/ Quantitative Reasoning (9 units)

- **B1**: CHEM 1000 or PHYS 1560, 1570  
  1 course (3)
- **B2**: Biological  
  1 course (3)
- **B3**: Interdisciplinary Physical / Biological  
  *B3 course can be taken in place of either B1 or B2, but not both*
- **B4**: MATH 1020  
  1 course (3)

**BLOCK C** – Arts and Humanities (6 units)

**BLOCK D** – Social Sciences (6 units)

**BLOCK E** – Lifelong Understanding and Self-Development (3 units)

**University Requirement**

- Writing Proficiency Exam (WPE)  
  **UNIV 4000 (0)**  
  *Prerequisites: Prior to completing 90 semester units, Satisfactory completion of A3*

### Requirements for the Program (72 units)

A total of 72 units are required with 48 semester units of required courses, 18 semester units in emphases, and 6 semester units in technical electives with advisor approval.

**Required Courses (48 units):**

- **TECH 1300**: Introduction to Graphic Communications (3)  
- **TECH 2340**: Lithographic and Digital Reproduction Processes (3)  
- **TECH 3300**: Graphic Communications Processes and Materials (3)  
- **TECH 4000**: Written Communication Skills for Industrial Technology (3)  
- **TECH 4340**: Graphic Communications Production Management I (3)  
- **TECH 4350**: Color Theory, Reproduction, and Management (3)  
- **TECH 4370**: Alternative Media Production (3)  
- **TECH 4950**: Industrial Technology Senior Project I (3)  
- **TECH 4951**: Industrial Technology Senior Project II (3)  
- **CS 1200**: Living in a Technology-Based World (3)  
- **CS 2100**: Introduction to Website Development (3)  
- **CS 2010**: Computer Programming Fundamentals (3)  
- **CS 222**: Introduction to Relational Databases (3)  
- **CS 3801**: Societal and Ethical Issues in Computing (3)  
- **CS 1550**: Fundamentals for Computer Graphics (3)  
- **CS 2550**: Introduction to Computer Graphics tools (3)
Options. Concentrations or Special Emphasis (18 units)

Computer Science Option: (18 units leading to a minor in Computer Science)

- CS 2011 Introduction to Programming I (3)
- CS 2012 Introduction to Programming II (3)
- CS 2013 Programming with Data Structures (3)
- CS 2445 Introduction to Computer Systems (3)
- CS 3550 Game Development for Graphic Communications (3)
- CS 3555 Mobile Development for Graphic Communications (3)

Management Option: (18 units leading to a minor in Operations and Supply Chain Management)

- MGMT 3060 Operations Management (3)
- MGMT 4500 Case Studies in Operations Management (3)
- MGMT 4504 Supply Chain Management (3)

Select 3 additional courses for a total of 9 units from the following:

- MGMT 4501 Process Design and Improvement (3)
- MGMT 4502 Production and Inventory Management (3)
- MGMT 4503 Total Quality Management (3)
- MGMT 4505 Project Management (3)
- MGMT 4506 Service Management (3)
- MGMT 4105 Managerial Leadership and Motivation (3)

Electives (6 units)

Select 6 units with the approval of an advisor

General Education Upper Division Theme (9 units)

UPPER DIVISION GE THEME 3 Courses (9 units)

Notes:
- GE requirements must add up to at least 48 semester units. (39 Lower Division, 9 Upper Division units)
- An Introduction to Higher Education course (IHE) is required of all first-time freshmen.
- A minimum C grade in A1, A2, A3, and B4 classes is required. A ‘C-‘ grade is not acceptable.
- A minimum C grade average in general education is required.
- Student must pass the Writing Proficiency Exam (WPE)
- Civic Learning/Community Engagement Requirement (6 semester units). One (cl) course must be completed at upper division general education level. These courses are designated as (cl) after the course listing.
- Diversity Requirement (6 semester units). Student must complete one race/ethnicity (re) course and one diversity (d) course or another race/ethnicity (re) course. These courses are designated as (re) and (d) after the course listing.
- Writing Intensive Requirement (6 semester units). Students must complete two writing intensive (wi). Courses, with at least one in their major. These courses are designated as (wi) after the course listing.