Name: ____________________________________________

I. University Requirements

☐ TREX 1001 Freshmen Transitions course
☐ ENGL 1221 Writing Seminar
☐ EXDS 2001 Extradisciplinary Seminar**

Senior Capstone Experience – The following courses fulfill the university capstone requirement: (also list with major)

☐ TECH 4341 Advanced Robotics 1
☐ TECH 4351 Advanced Robotics 2
☐ TECH 4991 Senior Capstone (1)

II. Arts and Sciences B.S. Degree Distributional Requirements:

A. Communications- (one course)
   - CAMS 1301 Presentational Speaking or CAMS 2311 Interpersonal Communication

B. Mathematical Skills*: (2 or 3 math courses)
   Required courses:
   - MATH 1631 Calculus 1
   - MATH 1641 Calculus 2
   - STAT 1311 Intro to Statistical Reasoning

C. Science* (required courses listed)
   - PHYS 2311 Physics 1
   - CHEM 1001 Chemistry

D. Humanities** (3 courses from PHIL, RELG, HIST, or ENGL – must be from different disciplines)
   - PHIL________
   - RELG________
   - HIST________
   - ENGL________

E. Fine Arts – 1 course or 4 hrs single approved activity course
   - ART________
   - MUSC________
   - TATH ________ (Theatre)

F. Social Science (1 course chosen from below)
   - PLSC________
   - PSYC________
   - SOC________
   - GEOG________

G. Health and Wellness (1 course)
   - ACTV 1001 Lifetime Fitness and Wellness

*Must take 2 math and 3 science or 3 math and 2 science for BS Degree.
**Extradisciplinary Seminar may be a Humanities course

Manufacturing Technology
(Robotics Concentration)

III. Major Requirements – Must receive a C or above for all major courses listed below:

☐ TECH 1001 Technology and Society
☐ TECH 1201 Intro to CAD
☐ TECH 1301 Materials Science
☐ TECH 1601 Fundamentals of Electronics
☐ TECH 1621 Visual Basic Programming
☐ TECH 2231 Product Design and Analysis
☐ TECH 2301 Materials and Processes
☐ TECH 2401 Computer Networking
☐ TECH 2701 Fluid and Mechanical Systems
☐ TECH 3421 Database Management and Apps
☐ TECH 3611 Applied Controls 1
☐ TECH 3631 Applied Controls 2
☐ TECH 4121 Manufacturing Management
☐ TECH 4341 Advanced Robotics 1
☐ TECH 4351 Advanced Robotics 2
☐ TECH 4621 Programming in Embedded Systems
☐ TECH 4961 Tour of Industries (1)
☐ TECH 4991 Senior Capstone (1)
☐ ENGR 2131 Statics
☐ ENGR 2231 Strength of Materials
☐ STAT 1311 Intro to Statistical Reasoning

ATMAE accreditation requirement:
2 Physics or Chemistry Courses These two courses can be used to fulfill the science distribution course requirements listed in II. C. at left.

☐ PHYS 2311 Physics 1
☐ Phys/Chem________

2 Approved Technical Electives (6 hrs):

Courses other than TECH must be approved by the Faculty of the Dept. of Technological Studies.

☐ TECH____________________
☐ TECH____________________

Notes:
- Student must accumulate at least 120 semester hours of credit for graduation.
- Student must take the ATMAE Manufacturing Specialist exam for graduation.

Revised 3-25-2013