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
     CACS 2311 Interpersonal Communication

B. Mathematical Skills*: (2 or 3 math courses)
   Recommended courses:
   - MATH 1401 Functions or MATH 1251 Col. Algebra
   - MATH 1431 Calculus or MATH
   - MATH (above 1201) or STAT 1311 or 1561

C. Science** (recommended courses listed)
   - CHEM 1001
   - PHYS 1001
   - CHEM/PHYS or BIOL _______ _______

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
(Manufacturing Management Concentration)

III. Major Requirements – Must receive a C or above in all TECH courses.
- 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 3211 Digital Manufacturing
- TECH 3221 Manufacturing Simulation
- TECH 3421 Database Applications & Management
- TECH 3611 Applied Controls 1
- TECH 3631 Applied Controls 2
- TECH 4111 Product Manufacturing
- TECH 4121 Manufacturing Management
- TECH 4341 Advanced Robotics 1
- TECH 4351 Advanced Robotics 2
- TECH 4961 Tour of Industries (1)
- TECH 4991 Senior Capstone (1)

ATMAE accreditation requirement:
2 Physics or Chemistry Courses can be used to fulfill the science distribution course requirement listed in II. C. at left.
- Phys/Chem________
- 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