Program Description: The Advanced Technology Program is designed to serve individuals who desire hands-on training and education for the acquisition or advancement of a technical career in areas such as manufacturing, electronics, industrial production, process control, computer-aided design and drafting, facilities management, and CNC operations. The program is flexible enough that it can serve those both at entry level, and those with established skills who seek technical growth or advancement through continued education.

The program provides for up to 30 credits to be awarded toward the Associate of Applied Science Degree for technical courses or certificates completed at the college, and may include equivalent work or training experiences assessed as Credit for Prior Learning. The curriculum includes general education and information technology cores that will develop skills in communication, computer applications and applied science while strengthening problem solving and critical thinking skills essential to career advancement.

This program is designed primarily to serve students who have completed Advanced Technology Certificate programs at the college. Ideally, students would pursue this program as continuing education after beginning employment as a trainee following certificate completion.

Program Outcomes:
Upon successful completion of this curriculum, students should be able to:
- Advance the technical skills and knowledge required for continued growth and success in an advanced technical industry.
- Effectively communicate to stakeholders regarding projects in their chosen discipline.
- Apply problem solving skills to industry processes to guarantee safety and continued productivity.
- Properly select and implement appropriate project management methods to industry related situations.

Semester by Semester Plan:

Semester 1:
ENG 100
MAT Elective
Science Elective
TCC 111
Advanced Technology Elective
Semester 2:
ENG 112
MAT Elective II
Science Elective II
Humanities/Social Science Elective
Advanced Technology Elective

Semester 3:
TCC 121
TCS 141
Advanced Technology Electives (2)
Open Elective

Semester 4:
Advanced Technology Electives (4)
Open Elective

Total Credits: 60-66

Notes:
Mathematics Electives: 6-10
Select two courses MAT 110 or higher (with the exception of MAT 125 and MAT 126)
Recommended MAT 110 and MAT 11

Advanced Technology Electives: 24-36 Credits
Select any 24 credits of courses from ARC, TCC, TCS, TDD, TEL, TME, IST, PCT, and MTT.
(Recommended: Establish an "Area of Concentration" by following prescribed Advanced Technology Certificate programs.)