



mTECH –
**INDUSTRIAL MAINTENANCE
 MACHINIST/MECHANIC
 CERTIFICATE OF ACHIEVEMENT**
 SAMPLE SEQUENCE MAP

This form is designed to be used in partnership with academic counselors. Modifications may be necessary to meet your goals. Seek assistance from an academic counselor each semester to stay on track to completion of major/certificate. There are 3 General Education patterns available. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details

| | Courses | Pre- or co-reqs | Credit |
|-------------------|---|-----------------|--------|
| Semester 1 | CONST 110 – Occupational Safety | | 2 |
| | ELECT 110 – Survey of Electricity | | 2 |
| | ENGTC 119 Introduction to technical Drawing | | 3 |
| | | | |
| | | Total | 7 |

| | Courses | Pre- or co-reqs | Credit |
|-------------------|---|-----------------|--------|
| Semester 2 | ENGTC 165 – Machining and Manufacturing I | | 3 |
| | Certificate Applicable Elective: 0-5 Units from ENGTC Catalog | See catalog | 0-5 |
| | | | |
| | | | |
| | | Total | 3-8 |

| | Courses | Pre- or co-reqs | Credit |
|-------------------|--|-----------------|--------|
| Semester 3 | ENGTC 166 – Machining and Manufacturing II | | 3 |
| | ENGTC 175 - Hydraulic and Pneumatic Systems and Components | | 3 |
| | | | |
| | | | |
| | | Total | 6 |

| | Courses | Pre- or co-reqs | Credit |
|-------------------|---|-----------------|--------|
| Semester 4 | ENGTC 176 – Mechanical Systems and Components | | 3 |
| | | | |
| | | | |
| | | | |
| | | Total | 3 |

Program total: 19