CLOVER PARK TECHNICAL COLLEGE

4500 Steilacoom Blvd SW, Lakewood, WA 98499 253.589.5800 www.cptc.edu/Educational Plans

| SCHOOL OF Advanced Manufacturing | Mechatronics AAT Degree | Degree Total Credits: 98 | Targeted Start Date |
|---|---|---|---|
| | | Total Cost: Tuition & Fees | Expected Graduation Date |

| | |
|---|---|
| STUDENT NAME/SID | |
| ENTRY COORDINATOR | |
| FACULTY NAME | Jason Sawatzki or Carl Wenngren |
| CONTACT INFO | jason.sawatzki@cptc.edu or carl.wenngren@cptc.edu |
| PROGRAM COUNSELOR | Taylor Mcgovern |
| CONTACT INFO | taylor.mcgovern@cptc.edu |
| PROGRAM START QUARTER | Summer, Fall, Winter, Spring |

**Important Program Information**

* To enter program, student must be eligible to take college-level English and college-level Psychology, or another social science or humanities course.
* This program assumes that students will be able to enroll in, or will have passed, MATH& 141 by the start of the third quarter of the program. Any developmental coursework that a student may be required to take to achieve this may increase the program length and is not reflected in the credit counts as shown below. Math sequences to meet this requirement must be planned with your advisor prior to program enrollment.
* Students must be at least 17 1/2 years of age at the start of the program.

**Quarter 1**

| Course Number | Course Title | CR |
|---|---|---|
| FSME 101 | Workshop Safety | 3 |
| FSME 110 | Quality Principles, Inspection and Test | 4 |
| FSME 114 | Fabrication Fundamentals I | 4 |
| FSME 116 | Fabrication Fundamentals II | 4 |
| COLL 102 | College Success for All | 3 |
| | Total Credits | 18 |

**Quarter 2**

| Course Number | Course Title | CR |
|---|---|---|
| MEC 125 | Hydraulics and Pneumatics | 5 |
| MEC 150 | Mechanical Systems | 5 |
| MAT 105 | Mathematics for Industrial Professionals | 5 |
| | Total Credits | 15 |

**Quarter 3**

| Course Number | Course Title | CR |
|---|---|---|
| MEC 115 | DC Circuits | 5 |
| MEC 140 | Computer Programming and Logic | 5 |
| ENGL& 101, or CMST& 220 | English Composition I, or Public Speaking | 5 |
| | Total Credits | 15 |

**Quarter 4**

| Course Number | Course Title | CR |
|---|---|---|
| MEC 116 | AC Circuits | 5 |
| MEC 130 | Electric Motors and Drives | 5 |
| MEC 201 | Systems Approach | 5 |
| | Total Credits | 15 |

**Quarter 5**

| Course Number | Course Title | CR |
|---|---|---|
| MEC 120 | Computer-Aided Design I | 5 |
| MEC 135 | Digital Electronics and Networks | 5 |
| MEC 160 | Programmable Controls I | 5 |
| Required Technical Elective (choose from list) | | 5 |
| | Total Credits | 20 |

**Quarter 6**

| Course Number | Course Title | CR |
|---|---|---|
| MEC 132 | Lean Manufacturing | 5 |
| MEC 289 | Internship or MEC 290 Capstone Design | 5 |
| PSYC& 100 | General Psychology | 5 |
| | Total Credits | 15 |

**Quarter 7**

| Course Number | Course Title | CR |
|---|---|---|
| | Total Credits | |

**Technical Elective Options (must choose 5 or more credits)**

| Course Number | Course Title | CR |
|---|---|---|
| MEC 121 | Computer-Aided Design II | 5 |
| MEC 128 | Applied Statics and Strengths of Materials | 5 |
| MEC 163 | Industrail Survey | 5 |
| MEC 165 | Robotics | 5 |
| MEC 173 | Applied Mechatronics | 5 |
| MEC 200 | Programmable Controls II | 5 |
| MEC 220 | Maintenance Management | 5 |
| MEC 281 | Independent Study 1 | 2-5 |
| MEC 282 | Independent Study 2 | 2-5 |
| MEC 289 | Internship | 5 |
| | Total Credits | |

**Required Gen Ed courses**

| | |
|---|---|
| ENGL& 101 English Composition I, or CMST& 220 (or higher) | 5 |
| MAT 105 Mathematics for Industrial Professionals | 5 |
| PSYC& 100 General Psychology | 5 |
| COLL 102 College Success for All | 3 |
| Total Gen Ed credits | 18 |

**Advising Notes**

**Career Outlook Sites**

The Occupation Information Network O*NET
worksourcewa.com

**Next Steps (Transcripts & Graduation)**

Apply for Graduation
Apply for Sealed Official Transcript

***Please check Periodically with Advising and Counseling regarding any potential Changes to program course requirements.***

Clover Park Technical College does not discriminate on the basis of race, color, national origin, sex, disability, sexual orientation, age or Veteran's status in its program and activities.