

## Example Degree Map - Associate of Applied Science: Welding Technology

TBCC guarantees, at a minimum, the following courses each quarter for the completion of the Associate of Applied Science – Welding Technology. A student can transfer in or take other courses that meet the requirements.

| Year 1                                    |                                             |                                            |
|-------------------------------------------|---------------------------------------------|--------------------------------------------|
| FALL TERM                                 | WINTER TERM                                 | SPRING TERM                                |
| * MCH 102, 3 CR, Intro to Manufacturing   | IMT 222, 3 CR, Lean Manufacturing & Process | WR 121, 4 CR, English Composition I        |
| * CG 100, 3 CR College Survival & Success | ESR 171, 4 CR, Environmental Science        | COMM 111, 4 CR Public Speaking             |
| WLD 111, 3 CR, SMAW I                     | WLD 112, 3 CR SMAW II                       | WLD 113, 3 CR, SMAW III                    |
| WLD 201. 3 CR, GTAW I                     | WLD 202, 3 CR, GTAW II                      | WLD 203, 3 CR, GTAW III                    |
| WLD 120, 2 CR, Welding Lab                | WLD 120, 2 CR, Welding Lab                  | WLD 120, 2 CR, Welding Lab                 |
| 14 CREDIT TOTAL                           | 15 CREDIT TOTAL                             | 16 CREDIT TOTAL                            |
| Year 2                                    |                                             |                                            |
| FALL TERM                                 | WINTER TERM                                 | SPRING TERM                                |
| * IMT 102, 4 CR, Industrial Safety (OHSA) | IMT 230, 3 CR, Preventative Maintenance     | WLD 262, 4 CR, Fabrication II              |
| * MCH 121, 3 CR, Machining I              | IMT 104, 3 CR, Rigging                      | MTH 105, 4 CR, Applied Math                |
| PSY 101, 4 CR, General Psychology         | WLD 102, 4 CR, Blueprint Reading            | WLD 172, 3 CR, GMAW III                    |
| WLD 170, 3 CR GMAW I                      | WLD 171, 3 CR, GMAW II                      | WLD 280, 3 CR, Cooperative Work Experience |
| WLD 261, 4 CR, Fabrication I              |                                             | WLD 275 Welding for Certification (4)      |
| 18 CREDIT TOTAL                           | 13 CREDIT TOTAL                             | 14-18 CREDIT TOTAL                         |

Total: 90-94

\* Yellow highlighting indicates suggested course sequence for part-time students.

CPC's in the Degree:

Certified Production Technician: 13 CR

IMT 102 Industrial Safety 4

IMT 222 Lean Manufacturing and Process Control 3

IMT 230 Preventative Maintenance 3

MCH 102 Introduction to Manufacturing 3

1 Year Welding CPC: 43 CR

IMT 102 Industrial Safety 4

IMT 222 Lean Manufacturing and Process Control 3

IMT 230 Preventative Maintenance 3

MCH 102 Introduction to Manufacturing 3

MCH 121 Machining I 3

WLD 102 Blueprint Reading 4

WLD 111 SMAW I 3

WLD 112 SMAW II 3

WLD 113 SMAW III 3

WLD 171 GMAW I 3

WLD 201 GTAW I 3

WLD 261 Fabrication I 4

WLD 261 Fabrication II 4