

Associate of Applied Science Degree Plan

Welding

Freshman Year

Fall Semester

Spring Semester

| COURSES | CR | COURSES | CR |
|--|-----------|---|-----------|
| ENGL 1301 Composition I | 3 | MATH Mathematics Core Course Recommended: MATH 1332 | 3 |
| *EDUC 1300 Learning Framework (My Cougar Course) | 3 | WLDG 1434 Introduction to Gas Tungsten Arc (GTAW) Welding | 4 |
| **BCIS 1305 Business Computer Applications (3 SCH version) | 3 | WLDG 1417 Introduction to Layout and Fabrication | 4 |
| DEMR 1301 Shop Safety and Procedures | 3 | WLDG 2332 Welding Automation | 3 |
| WLDG 1307 Introduction to Welding Using Multiple Processes | 3 | WLDG 1412 Introduction to Flux Cored Arc Welding (FCAW) | 4 |
| Total hours | 15 | Total hours | 18 |

Sophomore Year

Fall Semester

Spring Semester

| COURSES | CR | COURSES | CR |
|---|-----------|---|-----------|
| WLDG 1313 Introduction to Pipe Welding | 3 | ***WLDG 1435 Introduction to Pipe Welding Prerequisite WLDG 1428 | 4 |
| WLDG 1430 Introduction to Gas Metal Arc Welding (GMAW) | 4 | Language, Philosophy and Culture or Creative Arts (Core Course) | 3 |
| WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW) | 4 | Social and Behavior Science Core Course | 3 |
| TECM 1301 Industrial Mathematics | 3 | Life & Physical Science (Core Course) | 3 |
| Total hours | 14 | Total hours | 13 |

Degree plan valid for 5 years from the semester that student signs dedicated schedule and enrolls in courses.

*EDUC 1300 is required for all first--time in college students attending Coastal Bend College.

**BCIS 1305 is required for all college students, a test out option of 70% in computer literacy is available.

*** Capstone Course

AAS Core Curriculum Courses

| Component | Course Selection |
|--|--|
| Communication | ENGL 1301, ENGL 1302, ENGL 2311, SPCH 1311, SPCH 1315 |
| Natural Science/Mathematics | MATH 1314, MATH 1324, MATH 1332, MATH 1442, MATH 2412, BIOL 1106, BIOL 1306, BIOL 1322, BIOL 2101, BIOL 2102, BIOL 2120, BIOL 2301, BIOL 2302, BIOL 2306, BIOL 2320, CHEM 1106, CHEM 1306, GEOL 1305 |
| Humanities/Fine Arts | ENGL 2322, ENGL 2323, HUMA 1301, PHIL 1301, PHIL 2306, SPAN 2311, ARTS 1301, ARTS 1303, MUSI 1306 |
| Social & Behavioral Science | HIST 1301, HIST 1302, GOVT 2305, GOVT 2306, ECON 2301, ECON 2302, PSYC 2301, PSYC 2314, SOCI 1301, SOCI 2301 |
| Component Area Option | EDUC 1300, BCIS 1305 |

