

WELD 250 Welder Qual & Blueprint Reading 3

CERTIFICATE PROGRAMS

ADMINISTRATION OF JUSTICE (CERTIFICATE CODE: 5220)

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-one (21) to twenty-four and one half (24.5) units required for the certificate

| | | |
|------------------|---|-----|
| AJ 100 | Intro to Admin of Justice | 3 |
| AJ/CSI 102 | Concepts of Criminal Law | 3 |
| AJ 104 | Legal Aspects of Evidence | 3 |
| AJ 106 | Prin & Proced of the Justice System | 3 |
| AJ 110 | Police Community Relations | 3 |
| AJ 123 | Juvenile Control | 3 |
| ENGL 101 | English Composition | 3 |
| ENGL 089 or 111* | Reading | 3.5 |

*A score of 64 or higher on the Degrees of Reading Power (DRP) will substitute. NOTE: The IVC assessment examinations are undergoing revisions. Please see a counselor for assistance.

AGRICULTURAL BUSINESS MANAGEMENT (CERTIFICATE CODE: 5046)

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-five (25) units required for the certificate

| | | |
|------------|---------------------------------------|---|
| AG 080 | Pesticide Safety | 1 |
| AG 120 | Soil Science | 3 |
| AG 130 | Agricultural Economics | 3 |
| AG/BUS 132 | Business Management | 3 |
| AG 134 | Agricultural Bus Organization | 3 |
| AG 136 | Agri Sales & Service Management | 3 |
| AG 160 | Food & Fiber in a Chang World | 3 |
| CIS 101 | Intro to Information Systems | 3 |

Select one (1) course from the following

| | | |
|---------|--|---|
| AG 138 | Computer Applications in Agriculture | 3 |
| AG 170 | Entomology | 3 |
| BUS 010 | Practical Accounting | 3 |
| BUS 126 | Bus & the Legal Environment | 3 |
| BUS 144 | Principles of Marketing | 3 |

AGRICULTURAL CROP SCIENCE (CERTIFICATE CODE: 5048)

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-seven (27) units required for the certificate

I. Required courses for the certificate

| | | |
|--------|------------------------|---|
| AG 080 | Pesticide Safety | 1 |
| AG 120 | Soil Science | 3 |

| | | |
|--------|-------------------------------------|---|
| AG 140 | Principles of Plant Science | 4 |
| AG 170 | Entomology | 3 |
| AG 230 | Fertilizers & Soil Amendments | 3 |
| AG 240 | Field & Cereal Crops | 4 |
| AG 250 | Vegetable Crops | 3 |
| AG 270 | Weeds & Weed Control | 3 |

II. Acceptable courses for the certificate

| | | |
|--------|--|---|
| AG 138 | Computer Applications in Agriculture | 3 |
| AG 160 | Food & Fiber in a Changing World | 3 |
| AG 220 | Irrigation & Drainage | 3 |

AIR CONDITIONING AND REFRIGERATION TECHNOLOGY (CERTIFICATE CODE: 5360)

The Air Conditioning and Refrigeration Certificate is designed to provide instruction in manipulative skills, technical knowledge, and related trade information, which will prepare the student for employment in the Air Conditioning and Refrigeration industry.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Seventeen (17) units required for the certificate.

I. Required courses for the certificate

| | | |
|---------|--|---|
| ACR 101 | Air Conditioning/Refrigeration Systems | 3 |
| ACR 102 | Residential Air Conditioning Systems | 3 |
| ACR 103 | Air Conditioning Electrical Circuits/Controls | 3 |
| ACR 104 | Air Conditioning Heating Systems. | 3 |
| ACR 105 | Heat Load Calculation and Measurements | 2 |
| ACR 106 | Air Conditioning Ventilation Duct Systems..... | 3 |

ALCOHOL AND DRUG STUDIES (CERTIFICATE CODE: 5145)

Imperial Valley College is an accredited CAADE (California Association for Alcohol/Drug Educators) program. The Alcohol and Drug Studies major and certificate meet state requirements. Students completing these programs can take the CATC examination and obtain the California Addiction Treatment Counselor Credential. This credential will help students obtain jobs in social service agencies, treatment programs, recovery homes, schools, DEA, and law enforcement.

This program prepares student for transfer to institutions providing higher degrees with the social service majors.

Thirty-six (36) units required for the major

I. Required courses for the major (27 units)

| | | |
|-------------|---|---|
| ADS101 | Alcoholism: Intervention, Treatment, & Recovery | 3 |
| ADS110 | Physiological Effects of Alcohol & Drugs | 3 |
| ADS/PSY120 | Intro to Counseling | 3 |
| ADS/PSY130 | Group Leadership & Group Process | 3 |
| ADS 200 | Family Counseling Approach to Alcohol & Drug Abuse | 3 |
| ADS/PSY 210 | Crisis Intervention & Referral Techniques | 3 |
| ADS/PSY 220 | Practicum | 3 |
| ADS/PSY 221 | Practicum | 3 |

- ADS 230 Alcohol & Drug Prevention & Education 3
- II. Maximum of three (3) units selected from:**
- ADS176 Sex and Gambling Addiction 1
- ADS177 Anger Management 1
- ADS178 Life Skills 1
- Additional Courses will be added to this section - see class schedule!*
- III. Minimum of six (6) units selected from:**
- ADS/SOC 150 Sociology of Minority Groups 3
- PSY 101 General Psychology 3
- PSY 144 The Psychology of Interpersonal Relationships 3
- PSY 204 Develop Psych: Concept to Death 3
- PSY 208 Abnormal Psychology 3
- SW 220 Introduction to Social Work 3
- SOC 101 Introduction to Sociology 3

**AUTOMOTIVE AIR CONDITIONING
(CERTIFICATE CODE: 5023)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Six (6) units required for the certificate.

- I. Required courses for the certificate**
- AU T 130 Automotive Electronics I 3
- AU T 210 Air Conditioning 3

**AUTOMOTIVE COLLISION REPAIR
(CERTIFICATE CODE: 5010)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Thirty-one (31) units required for the certificate

- I. Required courses for the major**
- AU B 120 Automotive Collision Repairs 5
- AU B 140 Frame/Undercarriage Repair 5
- AU B 220 Estimating and Collision Repair 5
- AU B 240 Custom Refinishing & Shop Mgt 3
- AU T 125 Automotive Brakes 4
- AU T 155 Suspension and Wheel Alignment 4
- WELD 130 Welding Technology 5

**AUTOMOTIVE BRAKES, SUSPENSION
AND WHEEL ALIGNMENT
(CERTIFICATE CODE: 5022)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Eleven (11) units required for this certificate.

- I. Required courses for the certificate**
- AU T 125 Automotive Brakes 4
- AU T 155 Suspension & Wheel Alignment 4
- MATH 070 Basic Math or equivalent 3

**AUTOMOTIVE ELECTRONICS
(CERTIFICATE CODE: 5024)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Seven (7) units required for the certificate.

- I. Required courses for the certificate**
- AU T 130 Automotive Electronics I 3
- AU T 150 Automotive Electronics II 4

**AUTOMOTIVE ENGINE MACHINIST
(CERTIFICATE CODE: 5026)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Sixteen (16) units required for the certificate

- I. Required courses for the certificate**
- AU T 110 Engine Technology 4
- AU T 120 Automotive Machine Shop 4
- MATH 070 Basic Math or equivalent 3
- WELD 130 Welding Technology 5

**AUTOMOTIVE ENGINE PERFORMANCE
(CERTIFICATE CODE: 5021)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twelve (12) units required for the certificate

- I. Required courses for the certificate**
- AU T 130 Automotive Electronics 3
- AU T 160 Engine Performance Tune-Up 3
- AU T 170 Engine Diagnosis & Repair 3
- AU T 230 Emissions Control & Computer Systems 3

**AUTOMOTIVE POWER TRAIN
(CERTIFICATE CODE: 5025)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Fifteen (15) units required for the certificate

- I. Required courses for the certificate**
- AU T 180 Manual Transmissions & Power Trains 4
- AU T 220 Mechanical Automatic Transmissions 4
- AU T 250 Electronic Automotive Transmission 4
- MATH 070 Basic Math or equivalent 3