

## **PROCESS TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE (PTEC D302)**

|     |              |     |     |
|-----|--------------|-----|-----|
| FCC | <b>✓ LTC</b> | OCC | WVC |
|-----|--------------|-----|-----|

The Process Technology degree program prepares students to assume roles as operators and technicians in the process and manufacturing industries, including food processing, power production, water treatment, paper manufacturing, fuel production, and chemical and pharmaceutical manufacturing. This degree benefits individuals seeking employment within the processing industry as well as current industrial employees seeking advancement within the industry.

### **First Semester Credit Hours 14**

|          |   |    |
|----------|---|----|
| MTH 1201 | Technical Mathematics <sup>1</sup>      | V3 |
| PTT 1200 | Intro to Process Technology             | 3  |
| PTT 1204 | PTech Safety & the Environment          | 3  |
| SOC 1108 | Race and Ethnic Relations <sup>1*</sup> | 3  |
| TEL 1275 | Essential Computer Skills               | V2 |

### **Second Semester Credit Hours 14.5**

|          |                                     |      |
|----------|-------------------------------------|------|
| CHM 1120 | Introductory Chemistry <sup>1</sup> | 5    |
| ENG 1212 | Technical Writing <sup>1</sup>      | V3   |
| PTT 2201 | P-Tech Equipment                    | 4    |
| PTT 2298 | Topics in Process Technology        | V2.5 |

### **Third Semester Credit Hours 18.5**

|          |                              |      |
|----------|------------------------------|------|
| MAC 2203 | Manufacturing Processes      | V3.5 |
| PTT 1201 | Process Tech Instrumentation | 4    |
| PTT 2205 | P-Tech Quality Control       | 3    |
| PTT 2206 | P-Tech Systems               | 4    |
| PTT 2208 | Process Troubleshooting      | 4    |

### **Fourth Semester Credit Hours 16**

|          |   |          |
|----------|---|----------|
| BUS 2104 | Business Economics                        | 3        |
| GEN 2297 | Employment Skills <sup>1</sup>            | V3       |
| PTT 2207 | P-Tech Operations                         | 4        |
| PTT 2209 | Distributed Control Systems               | V3       |
| SPE 1111 | Interpersonal Communications <sup>1</sup> | <u>3</u> |

### **Total Credit Hours 63**

<sup>1</sup>General Education Hours (20)

\*This course satisfies the IECC human diversity requirement.

#### **Recommended Electives:**

|          |                               |    |
|----------|-------------------------------|----|
| PTT 1202 | OSHA Training                 | V3 |
| PTT 2212 | Process Technology Internship | V6 |

## **PROCESS TECHNOLOGY CERTIFICATE (PTEC C301)**

The Process Technology certificate program prepares graduates for entry-level positions in the process and manufacturing industries, including food processing, power production, water treatment, paper manufacturing, fuel production, and chemical and pharmaceutical manufacturing. Completion of the Process Technology Technician certificate demonstrates a graduate's completion of basic process technology training.

### **First Semester Credit Hours 14**

|          |                                |    |
|----------|--------------------------------|----|
| MTH 1201 | Technical Mathematics          | V3 |
| PTT 1200 | Intro to Process Technology    | 3  |
| PTT 1204 | PTech Safety & the Environment | 3  |
| SOC 1108 | Race & Ethnic Relations        | 3  |
| TEL 1275 | Essential Computer Skills      | V2 |

### **Second Semester Credit Hours 17.5**

|          |                              |             |
|----------|------------------------------|-------------|
| CHM 1120 | Introductory Chemistry       | 5           |
| ENG 1212 | Technical Writing            | V3          |
| GEN 2297 | Employment Skills            | V3          |
| PTT 2201 | P-Tech Equipment             | 4           |
| PTT 2298 | Topics in Process Technology | <u>V2.5</u> |

### **Total Credit Hours 31.5**