**Item 1. Goals and Objectives**

This program prepares students to enter employment as a Federal Aviation Administration (FAA) certified Powerplant mechanic in the aircraft maintenance industry. Students must receive a minimum grade of “C” or better in all required courses and each of the FAA subject areas as listed in the Code of Federal Regulations to qualify for the degree or certificate. Successful completion of this program enables students to take the FAA mechanic certification examinations with a Powerplant rating. FAA certification as an Aircraft Mechanic is required for employment in this field. Excellent opportunities for employment exist in this area of training.

**Item 2. Catalog Description**

This program prepares students to enter employment as a Federal Aviation Administration (FAA) certified Powerplant mechanic in the aircraft maintenance industry. Successful completion of this program enables students to take the FAA mechanic certification examinations with a Powerplant rating. FAA certification as an Aircraft Mechanic is required for employment in this field. Excellent opportunities for employment exist in this area of training.

Additional Information:

Students must receive a minimum grade of “C” or better in all required courses and each of the FAA subject areas as listed in the Code of Federal Regulations to qualify for the degree or certificate.

**Program Outcomes**

*Upon successful completion of this program, students will be able to:*

Demonstrate an in depth technical knowledge of aircraft powerplant maintenance concepts and practices.

Demonstrate various skills and tasks associated with aircraft powerplant maintenance and repair.

Identify the risks associated with performing aircraft powerplant maintenance tasks without the proper knowledge, skill, or safety protocols in place.

**Item 3. Program Requirements**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Requirements** | **Dept. Name/#** | **Name** | **Units** | **CSU-GE** | **IGETC** |
| Required  (32.5 units) | AMT-10  AMT-20  AMT-60  AMT-70  AMT-80 | Aviation Maintenance General A  Aviation Maintenance General B  Aviation Maintenance Airframe A  Aviation Maintenance Airframe B  Aviation Maintenance Airframe C | 6.5  6.5  6.5  6.5  6.5 |  |  |

Total Units: 32.5

Sample Sequence for completing Certificate

First Semester = 8 units

Second Semester = 8 units

Third Semester = 8 units

Fourth Semester = 8.5 units

**Item 4. Master Planning**

The program will utilize the college’s program review process for program monitoring and improvement as well as following all FAA regulations. The program meets twice annually with its industry-based advisory committee to discuss industry/workplace needs and the enhancement of instructional programs to facilitate those needs. Discussions will focus on specific skill sets desired by employers as well as current industry trends and issues with which students must be familiar upon program completion.

The college has all of the required resources to offer the program within existing facilities. The current instructional, library, and student support services are adequate to meet the needs of this program. All faculty teaching in the program meet the minimum qualifications for teaching the curriculum.

**Item 5. Enrollment Data and Completer Projections**

*Anticipated number of annual completers: 24*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | 2020-2021 | | 2021-2022 | |
| CB01: Course Department Number | CB02: Course Title | Annual # Sections | Annual Enrollment Total | Annual # Sections | Annual Enrollment Total |
| AMT-10 | Aviation Maintenance General A | 1 | 12 | 4 | 31 |
| AMT-20 | Aviation Maintenance General B | 1 | 16 | 3 | 27 |
| AMT-60 | Aviation Maintenance Powerplant A |  |  | 1 | 9 |

*Scheduled for fall 2022*

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | 2022fa |  |
| CB01: Course Department Number | CB02: Course Title | Annual # Sections | Annual Enrollment Total |
| AMT-10 | Aviation Maintenance General A | 2 | 12 |
| AMT-20 | Aviation Maintenance General B | 2 | 9 |
| AMT-70 | Aviation Maintenance Powerplant B | 2 |  |
| AMT-80 | Aviation Maintenance Powerplant C | 3 |  |

**Item 6. Place of Programs in Curriculum/Similar Programs (how the program fits in the college's existing program inventory.)**

Current Active Programs

|  |  |  |
| --- | --- | --- |
| Program Control Number (SP00) | Program Title | Program Award (SP02) |
| 22694 | Aviation Maintenance Technology | CA |
| 1771 | Aviation Maintenance Technology | A.S. Degree |

**Item 7.** **Similar Programs at Other Colleges in Service Area (justification of need for program in the region)**

This is a unique program and does not compete with other colleges in the region. The proposed program will have no impact on other colleges.