

**CENTRAL NEW MEXICO COMMUNITY COLLEGE
ASSESSMENT CYCLE PLAN**

Due to SAAC by October 15 following new program approval or at the end of the prior cycle plan

Cycle Plan Years and Contact Information:			
2016 - 2020	Michael Cranney	mcranney@cnm.edu	224-3770
Cycle Years	Contact Person	Email	Phone Number

Subject of this Assessment Report:		
Program: <u>Powerplant Maintenance Technology</u> <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS	Gen Ed Area: _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	Discipline Area: _____

Plan Description:

Critical Thinking and Life Skills/Teamwork Development within Programs:
a) Please describe how Critical Thinking assessment is embedded within your program assessment. b) Please describe how Life Skills/Teamwork assessment is embedded within your program assessment.
a) Students have to diagnose mechanical faults during lab practical.
b) Team assignments & presentations.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Apply basic physics “laws” to aerodynamic, pressures, and thermal dynamic problems.	2016; 2018; 2020	AVMT 1010	Exams
2. Read and interpret manufacturer’s maintenance data, aircraft drawings, system and electrical schematic and diagram.	2016; 2018; 2020	AVMT 1020	Exams

3. Use technical data to identify and name the components of a reciprocating engine.	2017; 2019	AVMT 1310	Lab assignments
4. Through the use of precision measuring tools, determine the serviceability of engine components.	2017; 2019	AVMT 1315	Lab assignments
5. Inspect, check, service, troubleshoot, and repair of a propeller system.	2017; 2019	AVMT 1330	Lab assignments
6.			
7.			
8.			
9.			
10.			