



DUAL CREDIT CHECKLIST:

Course Name:	Engine Function and Design
Course Number:	MENG1003
Program(s) to which this course can be applied:	Mechanical Techniques—Small Engine and Mechanical Techniques—Marine Engine. Students who graduate from these one year programs often pursue trade certification.
Can this course be used as a General Education credit?	No
Is there a hands-on component to the course? Please elaborate	This class begins with important safety training before students spend extensive time in the machine shop. Class time will consist of instruction, lectures, training videos and testing where students learn about using service manuals, identification of components and repair procedures, 2 & 4 stroke theory, pre-delivery inspection, service requirements, cooling systems, exhaust systems, lubrication systems and environmental issues that pertain to engine operation and servicing. Theoretical skills are then applied to hands on work.
Is there a textbook used with the course?	Textbooks are provided and students are also expected to refer to Blackboard, an online learning tool.
What are the required assignments within this course?	30% Projects/Assignments, 30% Practical Demonstration, 40% Tests