

MNG 290 - POWER SYSTEMS INTERNSHIP

Course Description

During this course, the student will be working in a commercial power facility following a prescribed course in the study of plant operations with particular emphasis on the machinery room and auxiliary equipment, including safety requirements. In addition, the student spends a minimum of eight hours a day under the supervision of a licensed operator gaining experience in the various engineering duties and responsibilities.

Credit Hours

5-6

Contact Hours

5-6

Recitation Hours

5-6

Required Prerequisites

All prerequisites for all GLMA courses are satisfied by following the approved Course Sequence Guide and any deviation from this guide needs to be approved by the cadet's adviser.

Course Learning Outcomes

Knowledge:

- Describe watch-stander responsibilities for maintenance of power generating equipment.

Application:

- Demonstrate typical maintenance procedures associated with engineering watch standers on board merchant vessels.
- Demonstrate typical operational procedures as they pertain to engineers on board merchant vessels.

Integration:

- Apply course concepts to real world scenarios encountered by watch standers.

Human Dimension:

- Consider themselves as professionals responsible for the operation and maintenance of machinery.
- Develop an awareness of normal day to day operations of a working commercial facility.

Caring - Civic Learning:

- Make connections between the critical role of power generation professionals and the public.
- Acknowledge responsibility for maintenance and operation of essential equipment.

Learning How to Learn:

- Serve an internship under the supervision of a licensed operator gaining experience in the various engineering duties and responsibilities.