

TECHNICAL STUDIES (OETS)

OETS 100 Industrial/Construction Safety 2 Credits (2)

Covers safety issues such as PPE, BBP, ladder safety, RTK, HazCom, MSDS and information about safety organizations such as OSHA, NIOSH, NFPA, National Safety Council.

Learning Outcomes

1. Explain the negative effects that the Industry can have on the environment when Safety and Environmental Regulations are not followed.
2. Describe the various types of physical, chemical, biological, ergonomic as well as plant specific hazards associated with the any Industry
3. Apply terms used when describing the various hazards.
4. Define the general types of Engineering Controls, Administrative Controls, Permitting Systems and Personal Protective Equipment used to minimize the exposure to the various hazards.
5. Explain the federal and state regulations which govern the Industrial Industry

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OETS 102 Career Readiness Certification Preparation 1 Credit (1)

This course is designed to prepare students to successfully obtain Career Readiness Certifications in all areas and at the appropriate levels for their program of study. S/U Grading (S/U, Audit).

Repeatable: up to 3 credits

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OETS 103 Technical Career Skills 4 Credits (4)

This course will be project-based and will encompass writing, presentation, math, reading, and critical thinking skills applied in a technical environment.

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OETS 104 Basic Mathematics for Technicians 4 Credits (4)

Fundamental mathematical concepts and computations including measurement, ratio and proportions, and pre-algebra as it relates to technical programs.

Prerequisite(s): appropriate placement test score

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OETS 117 Writing for Technicians 3 Credits (3)

Instruction in the skills for developing clear, written descriptions of processes and procedures used by technicians in various fields. Emphasis on correct grammar, logical organization, and receiving audience. Focuses on clarity, structure, and concise writing methods. Does not substitute for ENGL 111G.

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OETS 118 Mathematics for Technicians 3 Credits (3)

Analysis and problem solving of technical problems using measuring instruments and techniques of arithmetic, algebra, geometry, and trigonometry. (2+2P)

Prerequisite(s): Grade of C- or better in OETS 104 or CCDM 103 N, or appropriate placement test score

Repeatable: up to 3 credits

Learning Outcomes

1. Perform the basic arithmetic operations and be able to solve word problems.
2. Recognize and understand the techniques of measurement in the English and Metric systems.
3. State the laws of exponents and perform basic operations involving powers.
4. Understand and apply concepts of algebra and their use in formulas related to occupational areas of study.
5. Identify and apply geometric terms with particular emphasis on being able to find areas of polygons and circles and volumes of solids.
6. Solve problems involving right triangles using trigonometry.

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OETS 120 Business Fundamentals 3 Credits (3)

Instruction in the skills for basic business concepts used by technicians in various fields. Emphasis placed on basic business concepts; business ownership including marketing, management, accounting, and customer services; interpersonal communication; and basic computer concepts including word processing, spreadsheets, and presentation software.

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OETS 255 Special Topics Technical Studies 6 Credits (6)

Topics to be announced in the Schedule of Classes.

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