**OETS-TECHNICAL STUDIES (OETS)**

**OETS 100. Industrial/Construction Safety**  
2 Credits  
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. Community Colleges only. Restricted to Dona Ana and Carlsbad campuses.

**OETS 101. Energy for the Next Generation**  
3 Credits (2+2P)  
This course will survey a broad range of sources of energy, types of energy, energy storage, and the forms of energy. Students will be exposed to theory in the classroom, laboratory exercises, and field trips to provide them with a solid foundation for all subsequent energy related environmental courses. Pre/ Restricted to: Community Colleges only. 
**Corequisite(s):** OETS 118 or MATH 120.

**OETS 102. Career Readiness Certification Preparation**  
1 Credit  
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. Graded: S/U. May be repeated up to 3 credits. S/U Grading (S/U, Audit).

**OETS 103. Technical Career Skills**  
4 Credits  
This course will be project-based and will encompass writing, presentation, math, reading, and critical thinking skills applied in a technical environment. Restricted to: Community Colleges only.

**OETS 104. Basic Mathematics for Technicians**  
4 Credits  
Fundamental mathematical concepts and computations including measurement, ratio and proportions, and pre-algebra as it relates to technical programs. 
**Prerequisite:** appropriate placement test score.

**OETS 105. Building Analyst I**  
3 Credits (2+2P)  
This course is designed to provide the foundational knowledge and expertise necessary for the energy auditor and home performance contractor. Restricted to: Community Colleges only.

**OETS 106. Building Analyst II**  
3 Credits (2+2P)  
Designed to prepare the student for the BPI Building Analyst Certification. This course will walk the student through the hands-on process of conducting visual building inspections, diagnostic testing, identifying improvement opportunities, documenting a home's performance and preparing a scope of work. Restricted to: Community Colleges only. 
**Prerequisite(s):** OETS 105.

**OETS 110. Photovoltaic Application**  
4 Credits (3+2P)  
This course will provide an introduction to Photovoltaic (PV) installation. The course will provide instruction on site selection, prep, installation, and maintenance for photovoltaic applications. Students that complete the course and have the opportunity to take the entry level exam with the North American Board of Certified Energy Practitioners (NABCEP) en route to becoming Certified Installers. Restricted to: Community Colleges only. 
**Prerequisite(s):** OETS 101.

**OETS 117. Writing for Technicians**  
3 Credits  
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. Restricted to: Community Colleges only.

**OETS 118. Mathematics for Technicians**  
3 Credits (2+2P)  
Analysis and problem solving of technical problems using measuring instruments and techniques of arithmetic, algebra, geometry, and trigonometry. Restricted to: Community Colleges only. 
**Prerequisite(s):** OETS 104 or CCDM 103N or appropriate placement test score.

**OETS 120. Business Fundamentals**  
3 Credits  
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. Restricted to Community Colleges campuses only.

**OETS 156. Building Envelope**  
3 Credits (2+2P)  
Designed to prepare the student for the BPI Building Envelope Certification. This course will provide the principles behind building performance testing and the purpose of completing a comprehensive energy audit. Through lecture and subsequent field training, the student will learn how to use building diagnostics to develop a prescriptive plan for enhancing comfort, health & safety, building durability, and energy savings. The student will learn how to outline the follow-up process required after completion of the retrofit. Restricted to: Community Colleges only. 
**Prerequisite(s):** OETS 106.

**OETS 255. Special Topics Technical Studies**  
1-6 Credits  
Topics to be announced in the Schedule of Classes. Restricted to: Community Colleges only. 
**Prerequisite(s):** Consent of instructor.