Courses

**TGE 0100A Algebra I: 4 semester hours.**
Topics include linear equations, factoring, graphing, functions, and quadratic equations with emphasis on practical and technical problems. Equivalent to MATH 0025. Not eligible for academic credit. PREREQ: C- in MATH 0015, a Math ACT score of 12 or higher, an SAT score of 250 or higher, or 46 or higher on the Pre-Algebra section (MAPL 1). D

**TGE 0100P Personal and Professional Effectiveness: 1-2 semester hours.**
Career and learning theory-based course to establish students as flexible and innovative learners. Encourages the integration of positive adaptability through collaborative learning groups, values-focused decision making and activities-based interventions. Facilitates learning opportunities for students and networking opportunities after graduation. Solidifies a core set of transferable skills that are marketable across different career fields. PREREQ: Permission of instructor. D

**TGE 0110 Supplemental Mathematics Lab: 1 semester hour.**
Supplemental Math Lab for students enrolled in TGE math courses or COT programs of study. Supplemental Math Lab is co-required for students enrolled in TGE mathematics courses who fail to meet minimum COT requirements for mathematics. F, S

**TGE 0135 Workplace Relations: 3 semester hours.**
Workplace topics emphasizing internal and external customer service and including study and practice in effective interpersonal and communication skills, ethics, leadership, and teamwork. D

**TGE 0158 Employment Strategies: 1-2 semester hours.**
Comprehensive study and practice of job search activities, including company research, networking strategies, interviewing behavior, and writing the resume and business correspondence. The two-credit option provides students with extensive interviewing experience in a variety of settings. May be graded S/U. D

**TGE 0159 Internship Strategies: 1 semester hour.**
Comprehensive study and practice of internships, including company research, networking strategies, interviewing behavior, and completing applications and resumes. D

**TGE 0199 Experimental Course: 1-6 semester hours.**
The content of this course is not described in the catalog. Title and number of credits are -announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.

**TGE 1140 Survey of Applied Mathematics: 3 semester hours.**
A survey of mathematical concepts and practices using a professional technical perspective focusing on applications of statistics, dimensional analysis, and right triangle trigonometry for vector addition. Satisfies Objective 3 of the General Education Requirements. PREREQ: MATH 0025 or TGE 0100A. D

**TGE 1257 Applied Ethics in Technology: 3 semester hours.**
An introduction to the study of ethics and consideration of ethical issues in the fields of engineering, health, technical trades, and other contemporary settings that career-technical professionals may face. Topics include moral obligations and rights of society, employers, colleagues, and clients; cost-benefit risk analysis, safety, and informed consent; the ethics of whistle-blowing. Partially satisfies Objective 4 of the General Education Requirements. D