

**IDAHO STATE UNIVERSITY COLLEGE OF TECHNOLOGY*****PROGRAM TITLE: TECHNICAL GENERAL EDUCATION (TGE)***

Information included in this handout may change at any time without notice and should not be considered as a binding contract between Idaho State University and students.

**Course Length:** 1 Semester

**Course Description:** Technical General Education Basic (TGE) is a supplemental program, which provides entry into the College of Technology for those students who do not demonstrate adequate academic skills to be successful in their program. Students will learn or renew skills in math, reading, and communications related to their chosen vocational objective. TGE also seeks to accommodate specific learning disabilities and to prepare a plan to facilitate learning disabled students' success in their program.

The Technical General Education objective courses prepare students to be life-long, independent learners and active, culturally aware participants in diverse local, national, and global communities. As the foundation for all further studies, General Education promotes comprehensive literacy-including effective communication, mathematical, and technological skills; reasoning and creativity; and information literacy-and a broad knowledge base in the liberal arts.

**Education Requirements:** Completion of high school or GED is required.

**Enrollment in Program:** Entry into TGE generally takes place one semester prior to the starting date of the technical training program.

**Entry dates for this program:**  
August and January.

**For more information, contact:**

Idaho State University  
College of Technology  
Student Services Office  
921 S. 8<sup>th</sup> Ave, Stop 8380  
Pocatello, ID 83209-8380  
208-282-2622  
E-mail: [ctech@isu.edu](mailto:ctech@isu.edu)  
[www.isu.edu/ctech/](http://www.isu.edu/ctech/)

ACT scores are not required for acceptance to the College of Technology;  
however, they are required to qualify for some scholarships.

**TUITION AND FEES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTIFICATION**

Fees apply to current Idaho State University fee schedule located at <http://www.isu.edu/finserv/costinfo.shtml>.

Idaho State University subscribes to the principles and laws of the State of Idaho and the federal government, including applicable executive orders pertaining to civil rights. All rights, privileges, and activities of the University are made available without regard to race, creed, color, sex, age, disability, national origin or veteran status. The University is an Equal Opportunity and Affirmative Action employer. Evidence of practices that are not consistent with such a policy should be reported to: Stacey Gibson, Affirmative Action Director, Rendezvous Bldg, Room 157, Stop 8315, phone 282-3973.

Idaho State University is committed to equal opportunity in education for all students, including those with documented disabilities. If you have a diagnosed disability or if you believe that you have a disability that might require reasonable accommodations, please contact: Todd DeVries, Director of Disability Services, 208-282-3599.

NOTE: Licensure, certification, and/or employment applications related to some degree programs require students to disclose any history of criminal prosecution which may include the student's driving record. Students who have a criminal history are strongly encouraged to contact the licensing agency or meet with the coordinator of the program they are interested in, prior to beginning classes, to discuss potential impediments to licensure, certification, or employment.

*You may appeal placement decisions made by Student Services through a petition process.*

*Please call 208-282-2622 for more information.*

*Students must receive a 'C' grade or better in all registered Technical General Education courses in order to complete graduation from their chosen program.*

**IDAHO STATE UNIVERSITY COLLEGE OF TECHNOLOGY****PROGRAM TITLE: TECHNICAL GENERAL EDUCATION (TGE)****CURRICULUM****1 Semester Program - 4 months****TGE BASIC COURSES**

**TGEB 0100A ALGEBRA I** 4 credits. Linear equations, factoring, graphing, functions, and quadratic equations with emphasis on practical and technical -problems. Equivalent to MATH 025. Not eligible for academic credit. D

**TGEB 0100I INDEPENDENT STUDY** 1-2 credits. Course is designed to meet individual student needs. D

**TGEB 0100M MATH** 4 credits. Course provides an overview of complex fractions, decimals, and percents with an emphasis on practical application. D

**TGEB 0100R READING** 3 credits. Course is competency based and thus addresses the performance of the student. Speed and comprehension are emphasized, with critical textual interpretation as the main objective. D

**TGEB 0100S STRATEGIES FOR LEARNING** 2 credits. Memory skills, time management, critical thinking, learning styles, note and test taking strategies, and use of technology in successful completion of programs. Credit not applicable toward degree or certificate. D

**TGEB 0100T TECHNICAL SCIENCE** 2 credits. Course provides instruction in the development of basic mathematical relationships and their use in the study of forces and force analogs in fluid, thermal, electrical, and mechanical systems. Force, work, power, rate, and resistance are studied. Basic trigonometric relationships are defined. D

**TGEB 0100W WRITING** 3 credits. Course introduces Clear writing in standard, edited American English. Equivalent to ENGL 090. Not eligible for academic credit. D

**TGE OBJECTIVE COURSES**

**TGEC 1135 Workplace Relations** 3 credits. Workplace topics emphasizing internal and external customer service and including study and practice in effective interpersonal and communication skills, ethics, leadership and teamwork. D

**TGEC 1257 Applied Ethics in Technology** 3 credit. Ethical issues in engineering and contemporary technology that engineering technicians may face in professional practice. 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.

**TGEC 0158 EMPLOYMENT STRATEGIES** 1- 2 credits. Comprehensive study and practice of job search activities, including company research, networking strategies, interviewing behavior, and writing the resume and business correspondence. Course culminates in the preparation of a professional portfolio. The two-credit option provides students with extensive interviewing experience in a variety of settings. May be graded S/U. D

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

**TGEC 0162 Orientation to Computer Technology** 1 credit. Use of instructor software (Moodle) and on-

line library services, Internet research, use of Bengal Web and e-mail services. Overview of basic word processing features and the development of alphabetic and numeric information input through touch keyboarding. Open exit is available when student reaches proficiency rate established by program areas. D

**COMM 1101 PRINCIPALS OF SPEECH 3** credits. Basic course in oral communication that emphasizes the theory and practice of informative speaking, logical argumentation, persuasion, small group discussion, and interpersonal communication. Designed to explain the humanistic nature of human communication and to improve a student's ability to express ideas orally. Satisfies Goal 2 of the General Education Requirements. F, S

**ENGL 1101 ENGLISH COMPOSITION 3** credits, Course in which students read, analyze and write expository essays for a variety of purposes consistent with expectations for college-level writing in standard edited English. F, S, Su, W

**ENGL 1102 CRITICAL READING AND WRITING 3** credits. Writing essays based on readings. Focus on critical reading; research methods; gathering, evaluating, analyzing, and synthesizing ideas and evidence; documentation. PREREQ: ENGL 101 or equivalent. Satisfies Goal 1 of the General Education Requirements when passed with at least a C- grade. F, S, Su

**MATH 1123 MATHEMATICS IN MODERN SOCIETY 3** credits. Survey of applications of mathematics to real-world problems. Topics from graph theory, management science, political science, statistics, geometry, and computer science. PREREQ: MATH 025. Satisfies Goal 3 of the General Education Requirements. F, S, Su

**PHYS 1101 Elements of Physics 3** credits. A survey of basic physics principles; motion, gravitation, electricity and magnetism, light, atoms and nuclei. Includes lecture, demonstrations, elementary problem solving. Taken together with PHYS 101L satisfies Goal 5. PREREQ: permission of the College of Technology. COREQ: MATH 108 or equivalent; PHYS 101L. F, S

**MATH 1153, Introduction to Statistics 3** credits. Descriptive statistics, probability, confidence intervals, and hypothesis testing for one and two parameters. Emphasis on applications to a wide variety of disciplines. PREREQ: MATH 1108. Satisfies Goal 3 of General Education Requirement, D