

**BIT 1240**  
**Plumbing Codes**  
 3:3:0 F, Sp

A comprehensive study of plumbing code requirements relating to the principles of plumbing design, materials, installation standards, water and gas distribution systems, storm and sanitary sewer systems, water heaters, and mobile home connections.

**BIT 1330**  
**Mechanical Codes**  
 3:3:0 F, Sp

This is a comprehensive course which covers the entire Uniform Mechanical Code. Students will gain a working knowledge of requirements for mechanical systems, including heating, cooling, ducts, ventilation, refrigeration, kitchen hood and ducts, fuel-gas piping, appliance venting, combustion air, and related requirements.

**BIT 1340**  
**Electrical Codes**  
 3:3:0 F, Sp

Studies the National Electrical Code in its entirety. Covers electrical wiring systems, methods, electrical equipment, special occupancies, special equipment, special conditions, and communication systems.

**BIT 1380**  
**Ride-Along Lab**  
 1:0:3 Su, F, Sp

For students, building inspectors, architects, and builders. Students will accompany a building inspector as he or she conducts on-the-job inspections. There will be a rotation system established to give students experience in a variety of jurisdictions. This class is for fourth-semester students only.

**BIT 281R**  
**Cooperative Work Experience**  
 1 to 8:0:5 to 40 F, Sp

Corequisite(s): BIT 285R the first time only  
 For Building Inspection Technology majors. Provides paid, on-the-job work experience in the student's major. Work experience, the correlated class, and enrollment are coordinated by the Cooperative Coordinator. Includes student, employer, and coordinator evaluations, on-site work visits, written assignments, and oral presentations. Provides experience in writing and completing individualized work objectives that improve present work performance. Take up to 16 credits total between BIT 281R and BIT 285R.

**BIT 285R**  
**Cooperative Correlated Class**  
 1:1:0 F, Sp

Corequisite(s): BIT 281R the first time only  
 For Building Inspection Technology Majors. Identifies on-the-job problems and provides remediation of those problems through in-class discussion and study. Includes the study of identifying and maximizing service opportunities. Students register for this class with approval of the Cooperative Coordinator. Includes lecture, guest speakers, video tapes, role playing, case analysis, oral presentations, and written assignments. Completers should be better able to perform in their field of work or study. Take up to 16 credits total between BIT 281R and BIT 285R.

**BMED—BUSINESS/MARKETING  
 EDUCATION**

**BMED 3700**  
**Principles of Business/Marketing Education**  
 3:3:0 F

Prerequisite(s): Admittance into the secondary teacher education program, EDSC 2540, EDSC 3000; or instructor approval  
 Provides background and foundation of business/marketing teacher education for students seeking a secondary education degree. Includes curriculum standards, competency-based instruction and assessment, student achievement, textbook selection, exploring available resources, equipment selection and management, and establishing classroom procedures. Explores student organizations, professional associations, advisory committees, relationships with colleagues, and dealing with various publics and stakeholders. Addresses career and technical education, current research, issues and trends in business and marketing education, teacher growth and development, professionalism and career development. Field experience required.

**BMED 4200**  
**Methods of Teaching Digital Technology**  
 3:3:1 Sp

Prerequisite(s): BMED 3700, DGM 2350, DGM 2360, DGM 2370, DGM 3820, EDSC 3000  
 Provides instructional strategies for teaching keyboarding and computer applications.

**BMED 4250**  
**Methods of Teaching Business and Marketing**  
 3:3:1 F

Prerequisite(s): ACC 2010, BMED 3700, EDSC 3000, LEGL 3000, MGMT 2200, ECON 2020, MGMT 3600  
 Provides an opportunity for prospective teachers to become facilitators of learning specifically by planning, developing, delivering, and evaluating basic business and marketing curriculum.

**BMED 4900**  
**Business/Marketing Student Teaching Seminar**  
 2:2:0 F, Sp

Prerequisite(s): BMED 4200, BMED 4250, and Admission to Professional Education Program  
 Corequisite(s): EDSC 4850  
 Discusses the student teaching environment as experienced by the students as they perform teaching responsibilities. Allows the student to draw on the experiences of other students in the class, resource people, and the seminar leader. Offered credit/no-credit.

**BOT—BOTANY**

**BOT 2050**  
**Field Botany**  
 3:2:3 F

Prerequisite(s): BIOL 1010 or BOT 2400 recommended  
 For biology majors and non-majors. Covers the classification, identification, and ecology of woody plants with an emphasis on native trees and shrubs. Students completing the course should be able to identify common trees and shrubs native to Utah.

Includes field trips and laboratory work. Student plant collection required.

**BOT 2100**  
**Flora of Utah**  
 3:2:3 BB Su

Prerequisite(s): None, BIOL 1010 is recommended  
 A vascular plant taxonomy course for intended botany and biology majors or anyone interested in learning about plants native to Utah. Covers the principles of plant classification, nomenclature, and identification with an emphasis on Utah flowering plants. Includes field trips and weekly laboratory. Student plant collection required.

**BOT 2400**  
**Plant Kingdom**  
 4:3:2 F, Sp

Prerequisite(s): BIOL 1010 or BIOL 1610 or instructor permission  
 Surveys of the Divisions (Phyla) traditionally studied by botanists, emphasizing structure, reproduction, systematics, and evolution. Completers should be familiar with the morphological features of the major prokaryotic, fungal, algal, and plant groups. Includes a weekly laboratory.

**BOT 3340**  
**Plant Biology**  
 4:3:2 F

Prerequisite(s): BIOL 1620 and (CHEM 1110 or CHEM 1220 or higher)  
 Designed for Biology Education majors and others wishing a one semester upper division combined plant anatomy/plant physiology course. Covers structure-function interrelationships from the cellular to whole plant level, including aspects of plant anatomy, physiology, reproduction, growth and development with emphasis on the angiosperms (flowering plants). Includes weekly laboratory. Students may not receive credit for both BOT 3340 and BOT 4100 and/or BOT 4600.

**BOT 4100**  
**Plant Anatomy**  
 4:3:2 Sp (Odd Years)

Prerequisite(s): BIOL 1620 and BIOL 1625  
 Covers the structure and development of cells, tissues and tissue systems in stems, roots, leaves, and reproductive structures in vascular plants, with emphasis on the angiosperms. Discusses primary and secondary plant body, including wood anatomy. Includes weekly laboratory. Students cannot receive credit toward graduation for both BOT 3340 and BOT 4100.

**BOT 4200**  
**Vascular Plant Taxonomy**  
 3:2:2 Sp

Prerequisite(s): (BOT 2050 or BOT 2100), (BIOL 1010 or BIOL 1620)  
 Covers principles of botanical nomenclature, classification, and identification, as well as the techniques involved in gathering and analyzing taxonomic data. Includes field trips and weekly laboratory.

**BOT 4300**  
**Wildland Shrubs**  
 3:2:2 F

Prerequisite(s): BIOL 1010 or BIOL 1620  
 Explores the diversity and biology of woody plants in Utah and their ecological importance. Field trips