

## Technology Courses

**TEC 102 Technology and Society. (3) I, II.** The role of technology in society. Characteristics of a technologically literate citizen. Perspectives, theories, issues, concerns, and facts to support the recognition of the forces and consequences of technological change. Evolution and current trends of diverse technologies.

**TEC 141 Elementary Woodworking. (3) I, II.** Basic instruction in the use of common hand tools, basic machine operations, problems in furniture construction, related technical information, and finishing materials and methods. Not open to students majoring in a program within the department. 2 Lec/2 Lab.

**TEC 161 Computer Applications in Industry. (3) I, II.** A survey of computer systems and software applications currently being used in technology related fields. 2 Lec/2 Lab.

**TEC 190 Technical Graphics. (3) I, II.** Shape and size description of objects using conventional projection techniques—multiview, axonometric, oblique, and perspective. Emphasis is placed on sketching with paper and pencil and with computers. 2 Lec/2 Lab.

**TEC 194 Architectural Graphic Methods. (3) I.** Graphic presentation methods used in architecture and interior design. Hardline drawings using standard drafting conventions and equipment. Emphasis on orthographic, axonometric (paraline), and perspective drawings. 2 Lec/2 Lab.

**TEC 255 Web Publishing. (3) I, A.** A basic course in using current Web standards to prepare content for the World Wide Web that includes HTML, XHTML and Cascading Style Sheets. 2 Lec/2 Lab.

**TEC 309 Integrated Marketing Communications. (3). A.** Cross listed as MKT 309 and COM 309. A course covering the theories, strategies and skills of Integrated Marketing Communication, with a special emphasis on applying IMC to the Internet and the World Wide Web (WWW). Credit will not be awarded to students who have credit for MKT 309 or COM 309.

**TEC 313 Digital Photography. (3) A.** A study of current technology used to digitize traditional photographic images for use in computer application programs. This includes the acquisition of images from scanners and digital cameras. 2 Lec/2 Lab.

**TEC 315 Photography. (3) A.** Emphasis on black and white film photography including use and care of equipment, exposure calculations and techniques, and finishing. A 35mm camera with adjustable lens and shutter control is required. 2 Lec/2 Lab.

**TEC 322 Crafts for Children. (3) I, II.** Introduction to various craft media and their application in recreational elementary crafts programs. Emphasis on activities appropriate for children and the use of inexpensive and readily available materials. 2 Lec/3 Lab.

**TEC 331 Casework Detailing. (3) I.** Prerequisites: DES 222 and INT 195. The planning and production requirements of architectural millwork and the drawings needed to describe its construction. The production of a complete set of working drawings for a casework piece will be required. 2 Lec/2 Lab.

**TEC 332 Product Design. (3) I, II.** Prerequisite: TEC 391. Elements of product design as it relates to materials, such as woods, metals, and plastics. Emphasis placed on experimentation and problem solving in developing design solutions, detailed drawings, and illustrations and the presentation of design ideas. 2 Lec/2 Lab.

**TEC 333 Special Problems in Technology. (1-6) I, II.** An independent study course for exceptional undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

**TEC 349 Applied Learning in Technology. (1-8) I, II.** Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

**TEC 349 A-N Cooperative Study: Technology. (1-8) I, II.** Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

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**TEC 355 Web Animation. (3) II.** Prerequisite: TEC 255. An advanced course in preparing content for the World Wide Web. The creation of animated GIFs, Flash animation, Portable Document Format files and streaming video will be taught. 2 Lec/2 Lab.

**TEC 368 Workshop in Technology. (1-4) A.** Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different.

**TEC 391 Technical Illustration. (3) I, II.** Prerequisites: TEC 190, 194 or CON 294. Axonometric projection, oblique, perspectives, and illustration techniques to include pencil rendering and ink delineations. 2 Lec/2 Lab.

**TEC 394 Architectural Drawing I. (3) I, II.** Prerequisites: TEC 190, 194, or CON 294. Basic principles of house

planning, styles of home architecture, comparative study of building materials, preparation of a complete set of plans and specifications for a small home. 2 Lec/2 Lab.

**TEC 491 Architectural CAD. (3) A.** Prerequisites: TEC 391 and 394. Characteristics and operation of a 3D AEC (architectural, engineering, and construction) computer application system. Topics include representation of 3D objects in computer graphics, features and commands of AEC systems, and applications in architectural drawing and rendering. 2 Lec/2 Lab.

**TEC 496 Architectural Drawing II. (3) I, II.** Prerequisite: TEC 394. Consideration of both residential and commercial buildings with an emphasis on structural design, building methods and materials, mechanical systems, and site planning. Preparation of a complete set of plans for a small commercial building. 2 Lec/2 Lab.