

ARCH - Architecture Courses

ARCH B1 Intro to Architecture and Environmental Design

1.5 units

Description: Familiarization with the professional fields of architecture, landscape architecture, structural engineering construction and city/regional planning. Introduction to schools of architecture programs as they relate to individual aptitudes and the design process. Guest speakers.

Note: Satisfies 0.5 unit counseling requirement for graduation from Bakersfield College.

Hours: 27 lecture

Transferable: CSU and private colleges.

ARCH B6 Materials of Construction

3 units

Description: Use of application of construction processes and materials. Field trips required.

Hours: 36 lecture, 54 lab

Transferable: CSU and private colleges.

ARCH B11 Design and Perspective Drawing

4 units

Description: Basic techniques used in graphic communications for the environmental design fields including orthographic projection, pictorials, perspectives, shades and shadows. Exercises to develop basic skills and speed in the representation of ideas.

Hours: 36 lecture, 108 lab

Transferable: CSU, UC, and private colleges

ARCH B12 Design, Drawing and Color

4 units

Prerequisite: Successful completion of ARCH B11 or equivalent with a grade of C or better.

Description: Drawing as a communication tool in the environmental design fields with further development of freehand and digital drawing with the addition of color application. Demonstrates the link between graphics, design process and communications. Field trips may be required.

Hours: 36 lecture, 108 lab

Transferable: CSU, UC, and private colleges

ARCH B16 Digital Tools for Graphics Communication

3 units

Description: An introduction to the use of digital tools in architectural design and visual communication in the areas of 3D modeling, image editing, 2D graphics and page layout.

Hours: 27 lecture, 81 lab

Transferable: CSU and private colleges.

ARCH B21 Architectural Design Fundamentals I

4 units

Prerequisite: Successful completion of ARCH B1 and B11 and B12 or equivalent with a grade of C or better.

Description: Theories, principles, methods and means pertaining to the creation of two- and three-dimensional visual organizations to communicate intended concepts and meanings. Field trips required.

Materials Fee: \$15.00

Hours: 36 lecture, 108 lab

Transferable: CSU, UC, and private colleges

ARCH B22 Architectural Design Fundamentals II

4 units

Prerequisite: Successful completion of ARCH B21 or equivalent with a grade of C or better.

Description: Continuation of the content and issues introduced in ARCH B21 plus the theories, principles, methods and means pertaining to the creation of architectural forms, space and organizations and incorporation of function and light as issues that shape the built environment and support the communication of intended concepts and meanings. Field trips required.

Materials Fee: \$15.00

Hours: 36 lecture, 108 lab

Transferable: CSU, UC, and private colleges

ARCH B30 Residential Building Information Modeling

4 units

Prerequisite: Successful completion of ARCH B6 with a grade of C or better.

Description: Introduction to the application of computers in architecture with the use of Building Information Modeling (BIM), including operating systems, applications and graphic systems as they relate to construction documents and design technology. Residential wood construction methods and processes including construction documents. Not open to students who have successfully completed ARCH B31 and/or ARCH B32.

Materials Fee: \$15.00

Hours: 36 lecture, 108 lab

Transferable: CSU and private colleges.

ARCH B33 Architectural Computer Practice

3 units

Prerequisite: Successful completion of ARCH B30 with a grade of C or better.

Description: This course uses computer applications as a communication instrument in the design development and construction document phases of a light commercial project. Theory and application of laws and codes as they affect such buildings are studied. Field trips required.

Materials Fee: \$15.00

Hours: 27 lecture, 81 lab

Transferable: CSU and private colleges.

ARCH B48WE Occupational Work Experience Education/Internship

1-8 units

Prerequisites: Declared major or occupational goal and evaluation of student's qualifications and objectives.

Description: College credit for architecture related learning experiences obtained on the job in accordance with a training plan developed cooperatively between the employer, college, and student. Occupational work experience credit may accrue at the rate of 1 to 8 units per semester for a total of sixteen units, and students must work 75 paid hours or 60 non-paid hours per unit. Repetition allowed per Title 5 55253.

Hours: Non-paid 60 hours for each 1 unit (60-480). Paid 75 hours for each 1 unit (75-600).

Transferable: CSU and private colleges

ARCH B55 Residential Building Codes

3 units

Recommended: BC placement into reading level 06.

Description: Study of the uniform building codes, local codes and related ordinances. Fundamental structural concepts involved in code work, code interpretation and enforcement. Field trips required.

Hours: 54 lecture

Transferable: Not transferable. Degree applicable.

ARCH B56 Commercial Codes

3 units

Recommended: BC placement into reading level 06.

Description: Study of the uniform building, plumbing, mechanical and electrical codes as they relate to Commercial Construction. A companion course to ARCH B55 offering a greater in-depth study of the various codes which make up the Code of Building Regulations. Field trips may be required.

Hours: 54 lecture

Transferable: Not transferable. Not degree applicable.