

# ARCHITECTURAL DESIGN

## Curriculum Guide for Academic Year 2021-2022

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Students planning to **transfer** to a four-year college or university should refer to the ASSIST web site at [www.assist.org](http://www.assist.org) and **consult a counselor** before beginning a program of study. Please call 562-938-4561 for the LAC, or (562) 938-3920 for PCC to schedule a meeting with a counselor. Students may also wish to visit the Transfer Center on either campus.

### Program of study leading to: Associate in Science (A.S.) Degree

| REQUIRED COURSES   |           | UNITS                                  | In Progress | Completed Grade |
|--------------------|-----------|--|-------------|-----------------|
|                    | ARCHT 20  | Visual Literacy and Civilization       | 3           |                 |
|                    | ARCHT 21  | Design Method and Theories             | 3           |                 |
|                    | ARCHT 61  | Architectural Design Studio I          | 4           |                 |
| †                  | ARCHT 62  | Architectural Design Studio II         | 4           |                 |
| †                  | ARCHT 65  | Architectural Design Studio II         | 4           |                 |
| †                  | ARCHT 66  | Architectural Design IV                | 4           |                 |
| †                  | ARCHT 71  | Design/Build Studio                    | 4           |                 |
|                    | ARCHT 80  | Arch. History, Ancient to Medieval     | 3           |                 |
| †                  | ARCHT 81  | Arch. History, Medieval to Renaissance | 3           |                 |
| †                  | ARCHT 91  | Environmental Control Systems          | 3           |                 |
|                    | ARCHT 92  | Building Construction                  | 3           |                 |
| †                  | ARCHT 93  | Structure I                            | 3           |                 |
|                    | ARCHT 255 | Visualization and Communication        | 3           |                 |
| <b>TOTAL UNITS</b> |           | <b>44</b>                              |             |                 |

For graduation with an **Associate in Science (A.S.) Degree with a major in Architectural Design:**

- Minimum Unit Requirements:** §Any course that appears on a curriculum guide and the General Education Pattern (Plan A) may fulfill both major and general education requirements (Approved by College Curriculum Committee Spring 2012). For this degree, complete a minimum of 60 units in courses numbered 1-599. Please note that additional elective units may be required to meet this minimum based upon courses selected to fulfill General Education for the Associate Degree.

**Architectural Design Major:** 44 units  
**General Education/A.S. §** 19 units

- Scholarship:** Maintain an **overall grade point average (GPA) of 2.0** ("C" average) based on all accredited college work applied to the degree, no matter where completed. For this **field of concentration, complete each course above** with a **grade of "C" or better**, or "P" if course is graded on a P/NP basis.
- Residence for the Degree:** Complete at least 12 semester units of the required 60 semester units in residence at Long Beach City College in order for the college to grant an Associate of Arts and/or an Associate of Science Degree.
- Residence for the Field of Concentration:** Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at **least 22 units** of the required 44 must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
- General Education and Proficiency Requirements:** Complete the required A.A./A.S. General Education and Proficiency requirements\*, otherwise known as "Plan A". For Plan A requirements, refer to the general catalog or view it online at <http://osca.lbcc.edu>.
- Complete and submit the degree application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/>.

Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.

\*The requirements for general education/proficiency and the field of concentration (major) need to be from the same catalog year. This catalog year may be any year between the years of initial enrollment to the present, provided continuous enrollment is maintained throughout. See the catalog for definition of "continuous enrollment".

**Program of study leading to:  
Certificate of Achievement**

| <b>REQUIRED COURSES</b> |           | <b>UNITS</b>                              | <b>In Progress</b> | <b>Completed Grade</b> |
|-------------------------|-----------|---|--------------------|------------------------|
|                         | ARCHT 20  | Visual Literacy and Civilization          | 3                  |                        |
|                         | ARCHT 61  | Architectural Design Studio I             | 4                  |                        |
| †                       | ARCHT 62  | Architectural Design Studio II            | 4                  |                        |
| †                       | ARCHT 80  | Arch. History, Ancient to Medieval        | 3                  |                        |
| †                       | ARCHT 81  | Arch. History, Medieval to Renaissance    | 3                  |                        |
|                         | ARCHT 255 | Visualization and Communication           | 3                  |                        |
| †                       | COMM 60   | Elements of Argumentation and Debate      | 3                  |                        |
| †                       | ENGL 3/3H | Argumentative and Critical Writing/Honors | 4                  |                        |
| †                       | MATH 40   | Trigonometry                              | 3                  |                        |
| †                       | PHYS 2A   | General Physics                           | 4.5                |                        |
| <b>TOTAL UNITS</b>      |           | <b>34.5</b>                               |                    |                        |

For graduation with a **Architectural Design Certificate of Achievement**:

1. Complete each of the **REQUIRED COURSES** listed above with a **minimum grade point average of 2.0** ("C" average).
2. Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at **least 13.25 units** of the required 34.5 must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
3. Complete and submit the certificate application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/>. Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.

**Program of study leading to:  
Certificate of Achievement – Building Information Modeling (BIM)**

| <b>REQUIRED COURSES</b> |                     | <b>UNITS</b>          | <b>In Progress</b> | <b>Completed Grade</b> |
|-------------------------|---------------------|-----------------------|--------------------|------------------------|
|                         | ARCHT 230           | REVIT I               | 4                  |                        |
|                         | ARCHT 231           | REVIT II              | 4                  |                        |
| †                       | ARCHT 232           | REVIT III             | 4                  |                        |
| †                       | ARCHT 233           | REVIT IV              | 4                  |                        |
| †                       | ARCHT 234           | REVIT V               | 4                  |                        |
|                         | ARCHT 251           | Rhino Basics          | 4                  |                        |
| †                       | ARCHT 252           | Sketchup I            | 1.5                |                        |
| †                       | ARCHT 253 <b>OR</b> | Sketchup II <b>OR</b> | 1.5 <b>OR</b>      |                        |
| †                       | ARCHT 254           | AutoCAD Basics        | 1.5                |                        |
| <b>TOTAL UNITS</b>      |                     | <b>26</b>             |                    |                        |

For graduation with an **Building Information Modeling Certificate of Achievement**:

1. Complete each of the **REQUIRED COURSES** listed above with a **minimum grade point average of 2.0** ("C" average).
2. Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at **least 13 units** of the required 26 must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
3. Complete and submit the certificate application form to the Admissions and Records office during your final semester of

course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/> . Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.

| <b>Recommended But Not Required:</b> |   | <b>Units</b> | <b>In Progress</b> | <b>Completed Grade</b> |
|--------------------------------------|---|--------------|--------------------|------------------------|
| MATH 40                              | Trigonometry                              | 3            |                    |                        |
| ENGL 3/3H                            | Argumentative and Critical Writing/Honors | 4            |                    |                        |
| PHYS 2A                              | General Physics                           | 4.5          |                    |                        |
| COMM 60                              | Elements of Argumentation and Debate      | 3            |                    |                        |

## Career Opportunities

This field of concentration is designed to provide foundation knowledge of the practice of architecture with the option of maximizing the number of lower-division transfer units.

This **Certificate of Achievement** will prepare students for an entry-level position in a variety of design profession settings and will serve as a foundation for specialization.

This **Associate Degree** will prepare students for a design-related career, and appropriate course selection will facilitate transfer to a professional degree program.

## Program Mission and Outcomes

The mission of the architecture program is to create an educational environment where students can achieve their individual goals by providing the necessary knowledge and skills to successfully transfer to a bachelor program in Architecture or a related field. The program provides students with instruction in the latest technologies, industry standards, and significant industry trends.

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Analyze program transfer requirements to prepare for successful transfer to a university level architectural and/or other environmental design degree program.
- Acquire the professional attitude and desire for life-long learning and stay current with advanced technologies.
- Demonstrate the technical knowledge and communication skills necessary to identify, articulate, and solve problems and perform tasks pertaining to the built environment.

## Legend

† This course has a prerequisite. Prerequisite courses must be complete with at least a "C" or "P" grade. Refer to the General Catalog (<http://www.lbcc.edu/cat/index.html>), the Schedule of Classes (<http://schedule.lbcc.edu/>), or the online Credit Course Outline (<http://wdb-asir.lbcc.edu/coursecurriculum/coursestetails/>) for specific prerequisite information.