

# DRAFTING – ARCHITECTURAL (Occupational Program)

## Curriculum Guide for Academic Year 2011-2012

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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. To meet with a counselor call 562-938-4561 for the LAC, or (562) 938-3920 for PCC. Students may also wish to visit the Transfer Center on either campus.

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

<u>REQUIRED COURSES</u>		<b>UNITS</b>	<b>In Progress</b>	<b>Completed Grade</b>
ARCHT 60 <b>OR</b>	Architectural Design <b>OR</b>	8 <b>OR</b>		
ARCHT 61 <b>&amp;</b>	Architectural Design <b>&amp;</b>	4 <b>&amp;</b>		
† ARCHT 62	Architectural Design	4		
† ARCHT 64 <b>OR</b>	Architectural Design <b>OR</b>	8 <b>OR</b>		
† ARCHT 65 <b>&amp;</b>	Architectural Design <b>&amp;</b>	4 <b>&amp;</b>		
† ARCHT 66	Architectural Design	4		
† ARCHT 70AB <b>OR</b>	Architectural Design <b>OR</b>	8 <b>OR</b>		
† ARCHT 71AD <b>&amp;</b>	Architectural Design	4 <b>&amp;</b>		
† ARCHT 71AD	Architectural Design (complete 71AD twice)	4		
<b>Subtotal Units</b>		<b>24</b>		

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

- Units:** Complete a minimum of 60 units, distributed as follows:

<b>Drafting-Architectural Major:</b>	24 units
<b>General Education/A.A.</b>	19 units
<b><u>Electives/Other courses:</u></b>	<u>17 units</u>
<b>TOTAL:</b>	60 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 30 units of the required 60 in residence at LBCC, or complete in residence at LBCC at least 20 units within the last 30 units of work applied to the 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 12 units** of the required 24 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>.

**Associate Degree requirements continue on the following page:**

**Associate Degree requirements continued from the previous page:**

6. 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 year of initial enrollment to the present, provided continuous enrollment is maintained throughout. See the catalog for definition of "continuous enrollment".

Unless otherwise noted, "double-counting" is not allowed. That is, one course may not be used to fulfill both a field of concentration requirement and to fulfill a general education requirement.

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

**Certificate: Core Skills 3906**

<b>REQUIRED COURSES</b>		<b>UNITS</b>	<b>In Progress</b>	<b>Completed Grade</b>
	ARCHT 60 OR Architectural Design OR	8 OR		
	ARCHT 61 & Architectural Design &	4 &		
†	ARCHT 62 Architectural Design	4		
†	ARCHT 64 OR Architectural Design OR	8 OR		
†	ARCHT 65 & Architectural Design &	4 &		
†	ARCHT 66 Architectural Design	4		
†	ARCHT 230 Building Information Modeling (Beginner)	3		
<b>Core Skills Certificate of Achievement TOTAL UNITS</b>		<b>19</b>		

**Certificate: Advanced Skills 3909**

<b>REQUIRED COURSES</b>		<b>UNITS</b>	<b>In Progress</b>	<b>Completed Grade</b>
	ARCHT 60 OR Architectural Design OR	8 OR		
	ARCHT 61 & Architectural Design &	4 &		
†	ARCHT 62 Architectural Design	4		
†	ARCHT 64 OR Architectural Design OR	8 OR		
†	ARCHT 65 & Architectural Design &	4 &		
†	ARCHT 66 Architectural Design	4		
†	ARCHT 70AB OR Architectural Design OR	8 OR		
	ARCHT 71AD & Architectural Design &	4 &		
	ARCHT 71AD Architectural Design (complete 71AD twice)	4		
†	ARCHT 230 Building Information Modeling (Beginner)	3		
<b>Subtotal Units</b>		<b>27</b>		

**IN ADDITION, complete SIX (6) UNITS from the following:**

		<b>UNITS</b>		
†	CARP 311 OR Carpentry 1 OR	3 OR		
	CARP 312 OR Carpentry 2 OR	3 OR		
	ELECT 261 Intro to Renewable Energy	3		
	CARP 440 Blueprint Reading for Construction Trade	3		
	Any course from Construction Trades Department	Var.		
<b>Subtotal Units</b>		<b>6</b>		

**Certificate of Achievement requirements continue on the following page.**

*Certificate of Achievement requirements continued from the previous page.*

**IN ADDITION, complete THREE - FOUR (3-4) UNITS from the following:**

		UNITS	
†*	ELEC 202OR MATH 805	Electrical Mathematic, Modern Arithmetic A more advanced level of Mathematics	3 OR 3-4
		<b>Subtotal Units</b>	<b>3-4</b>
	<b>Advanced Skill Certificate of Achievement TOTAL UNITS</b>	<b>36-37</b>	

For graduation with a **Core Skills or Advanced Skills Certificate of Achievement:**

1. Complete the **REQUIRED COURSES** listed above with a **minimum cumulative 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  
 For the **Core Skills Certificate**, complete at **least 10 units** of the required 19 at **Long Beach City College**.  
 For the **Advanced Skills Certificate**, complete at **least 18-18.5** of the required 36-37 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.

For both the **Core Skills AND the Advanced Skills Certificate of Achievement**, the following courses are recommended, **BUT ARE NOT REQUIRED** to earn either.

**RECOMMENDED but not required courses:**

	DRAFT 203AD OR † DRAFT 204	AutoCAD II, Advanced Concepts OR 3D Visualization/Animation	3 OR 4
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**Suggested Sequence of Classes**

This is not an educational plan, as course offerings, student schedules, and circumstances vary. Students must meet all the prerequisites in order to be eligible for the sequence of courses.

A suggested, full-time sample sequence of courses for the required **60** units to reach an Associate Degree includes:

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
ARCHT 60	8	ARCHT 64	8
Math Course	3-5	Carpentry Course	3
English Course	3	G.E. Course	3
G.E. Course	3		
<b>Semester Total</b>	<b>17 – 19</b>	<b>Semester Total</b>	<b>14</b>
<u>Third Semester</u>	<u>Units</u>	<u>Fourth Semester</u>	<u>Units</u>
ARCHT 70A	8	ARCHT 70B	8
ELECT 261	3	DRAFT Elective	4
G.E. Course	3	G.E. Course	3
G.E. Course	1-3		
<b>Semester Total</b>	<b>15 – 17</b>	<b>Semester Total</b>	<b>15</b>

## Career Opportunities

Students learn entry-level job skills in architectural drafting.

This **Advanced Skills Certificate of Achievement** will prepare students for an advanced position as an architectural drafter or senior draftsman in a variety of design professional setting and will serve as a foundation for specialization.

This **Associate Degree** will prepare students for a design-related career.

## Program Mission and Outcomes

To create an educational environment where students can achieve their individual goals by providing the necessary knowledge and skills to enter the design field of their choice by using the latest technologies and industry trends.

Outcomes:

- Students develop career awareness, planning, employability skills, work habits, and foundation knowledge necessary for success in the workplace.
- Students will be able to establish mastery of basic knowledge and skills and apply advanced technologies relevant to entering the architectural drafting and design field at an entry or advanced level.
- Students possess the necessary technical knowledge and communication skills to identify, articulate and solve problems pertaining to the built environment and perform tasks required within the architecture and/or environmental design professions.

## 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/coursedetails/>) for specific prerequisite information.

\* This course is an exception to the “double-counting” rule; it may be double-counted.