

CARPENTRY TECHNOLOGY/TRADE

HOME REMODELING & REPAIR

Curriculum Guide for Academic Year 2012-2013

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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 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—Carpentry Technology			
<u>REQUIRED COURSES (listed below in recommended sequence)</u>	UNITS	In Progress	Completed Grade
CARP 211 Carpentry 1	10		
† CARP 212 Carpentry 2	10		
† CARP 213 Carpentry 3	10		
CARP 440 Blueprint Reading for Construction Trade	3		
Subtotal Units	33		
<u>IN ADDITION, complete SEVEN (7) units from the following:</u>	UNITS		
CARP 219 Residential Roof Framing	4		
CARP 222 Residential Stairs	4		
CARP 225 Metal Framing	4		
CARP 227 Finish Carpentry	3		
CARP 230 Cost Estimating	4		
CARP 245 Contracting Laws and Management	3		
HORT 223AD Landscape Construction	4		
Subtotal Units	7		
TOTAL UNITS	40		

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

- 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.

Carpentry Technology Major:	40 units
General Education/A.S.	19 units
Minimum Total Units:	60 units

Associate Degree requirements continue on the following page:

Associate Degree requirements continued from the previous page:

1. **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.
2. **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.
3. **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 20 units** of the required 40 must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
4. **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> .
5. 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".

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

REQUIRED COURSES—Complete the 40 units of required courses as listed in the Associate Degree requirements box on the first page.

<u>REQUIRED COURSES</u>	TOTAL UNITS	40	In Progress	Completed

For graduation with a **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 20 units** of the required 40 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.

For both the **Associate in Arts** and the **Certificate of Achievement**, the following courses are recommended, **BUT ARE NOT REQUIRED** to earn either.

RECOMMENDED but not required courses:

AC_R 230	Electrical Fundamentals	3		
COSA 1	Computer Information Competency	1		
ELECT 202	Electrical Mathematics	3		
SHMET 220A	Basic Sheet Metal Layout and Fabrication	4		
SPAN 1	Elementary Spanish	5		
WELD 400AD	Welding (General)	2		
MGMT 80	Small Business Entrepreneurship	3		

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

Certificate: Carpenter Trainee 4022

REQUIRED COURSES		UNITS	In Progress	Completed Grade
CARP 311	Carpentry 1	3		
† CARP 312	Carpentry 2	3		
† CARP 313	Carpentry 3	3		
† CARP 314	Carpentry 4	3		
Subtotal Units		12		
IN ADDITION, complete THREE-TO-FOUR (3-4) units from the following:		UNITS		
CARP 230	Cost Estimating	4		
AC_R 230	Electrical Fundamentals	3		
ARCHT 360M1 & ARCHT 360M2	Basic AutoCAD for Architecture & Architecture Design AutoCAD	1.5 & 1.5		
CARP 440	Blueprint Reading for Construction Trade	3		
ELECT 240	Electrical Code-Residential	3		
HORT 223AD	Landscape Construction	4		
SHMET 220A	Basic Sheet Metal Layout and Fabrication	5		
WELD 400AD	Welding (General)	2		
Subtotal Units		3-4		
TOTAL UNITS		15-16		

Certificate: Home Remodeling & Repair Technician: 4004

REQUIRED COURSES		UNITS	In Progress	Completed Grade
CARP 415A	Home Remodeling & Repair	2		
† CARP 415B	Home Remodeling & Repair	2		
† CARP 415C	Home Remodeling & Repair	2		
† CARP 415D	Home Remodeling & Repair	2		
Subtotal Units		8		
IN ADDITION, complete THREE-TO-FOUR (3-4) units from the following:		UNITS		
AC_R 230	Electrical Fundamentals	3		
ARCHT 360M1 & ARCHT 360M2	Basic AutoCAD for Architecture & Architecture Design AutoCAD	1.5 & 1.5		
CARP 227	Finish Carpentry	3		
CARP 230	Cost Estimating	4		
ELECT 204	First Semester Fundamentals of DC Electricity	3		
ELECT 240	Electrical Code-Residential	3		
HORT 223AD	Landscape Construction	4		
Subtotal Units		3-4		
TOTAL UNITS		11-12		

For graduation with a **Certificate of Accomplishment:**

1. Complete the above required units with a minimum grade point average of 2.0 ("C" average).
2. Fifty percent (50%) or more of the required units must be completed in residence at LBCC.
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/>.

Career Opportunities

Students prepare for jobs in the carpentry industry.

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

This **Associate Degree** will prepare students for career advancement once a certificate has been earned. Appropriate course selection will also facilitate transfer in a related major.

Program Mission and Outcomes

The mission of the Carpentry Program is to provide students with the training and practical experience to be gainfully employ in the construction industry.

- Gain sufficient knowledge of trade practices to be gainfully employed in the Carpentry Industry.
- Examine appropriate materials, tools, equipment and procedures to work on construction projects.
- Demonstrate safe working practices in a construction environment.
- Evaluate, layout, and construct various systems such as landscaping, floors wall, roof, and concrete forms.
- Demonstrate the ability to recognize a problem, develop strategy to solve the problem.

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/courseetails/>) for specific prerequisite information.