

**\*\*\*REMEMBER TO REGISTER EARLY\*\*\***

### Program Description

The Building Construction Technology program prepares students to build and repair structures to comply with existing codes. Students learn to read blueprints, sketches, and specifications for information pertaining to dimensions, type of materials required, and standards of work. Experience is gained working with a variety of hand tools, power tools, and construction equipment. Skills learned in the program include wood and metal framing, concrete forming, remodeling, and interior and exterior finishing of residential and commercial buildings.

*Building Construction students in their first year will be going to an off-campus site during some classes; you must supply your own transportation. Construction students in their second year will also be taking program courses at an off-campus location. Second year students build a residential structure from the initial site layout through all the construction phases to the final finish work.*

### Program Outcomes

- Erect concrete forms for footings, walls, columns, and flat work.
- Frame floors, walls, and roofs using wood and steel framing.
- Install exterior finish components.
- Install interior finish components.
- Estimate building materials requirements.
- Coordinate construction activities.
- Perform construction duties safely.

REQUIRED COURSES			
Number	Name	Credits	Term
BLDG1400	Construction Safety	4	
BLDG1407*	Concrete Forming	3	
BLDG1412*	Basic Framing I	2	
BLDG1414*	Basic Framing II	3	
BLDG1415*	Cabinetmaking	3	
BLDG1422*	Trade/Labor History	1	
BLDG1430*	Building Site Lay-Out	1	
BLDG1435	Blueprint Reading	3	
BLDG1437*	Estimating for Building Construction I	1	
BLDG1440*	Stair Design and Construction	3	
BLDG1450*	Interior/Exterior Construction	3	
BLDG1465*	Framing With Metal	2	
BLDG1502*	Deck Construction	2	
BLDG1525	Welding	1	
BLDG1537*	Estimating for Building Construction II	1	
ALTH1435	American Red Cross First Aid and Community CPR	1	
CARP 2402*	Reading Project Plans	2	
CARP 2404*	Lead Carpenter Floor Framer	2	
CARP 2406*	Lead Carpenter Wall Framer	5	
CARP 2408*	Lead Carpenter Roof Framer	3	
CARP 2410*	Lead Carpenter Stair Framer	3	
CARP 2412*	Lead Roofer	2	
CARP 2510*	Carpentry Internship	13	
<b>TOTAL CREDITS</b>		<b>64</b>	

*\*Requires a prerequisite or a concurrent course*



## Building Construction Technology Diploma- 64 credits

Program Area: Building Construction (AY16-17 Only)

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### Pre-program Requirements

To begin your career in this program, you need to be at a specific skill level in English/reading and mathematics.

#### English/Reading:

- A score of 78 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0955 may be taken concurrently with Semester I coursework.

#### Mathematics:

- A score of 33 or higher on the Elementary Algebra Skills portion of the Accuplacer, or
- Completion of MATH 0520 (or equivalent course or higher). MATH 0520 may be taken concurrently with Semester I coursework.

*For interpretation of test results and selection of appropriate coursework;  
or general information about the program, admissions, financial aid, and getting started at LSC,  
contact the professional advising team at: [pat@lsc.edu](mailto:pat@lsc.edu) or 218-733-7601*

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For more information about the Carpentry Diploma including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see program Website: <https://degrees.lsc.edu/construction/>

- or -

Contact Faculty Advisor, John Calcaterra: [j.calcaterra@lsc.edu](mailto:j.calcaterra@lsc.edu) or 218-733-1055

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LSC Major ID: 5318

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