

# Architecture & Constructions



# What do you want to know?

- Career Tree
- Program of Study
- Jumpstart 2.0 Pathway Courses and Certification
- Local Business Opportunities
- Louisiana Colleges/Universities with Programs related to field
- Additional Resources

# CAREER TREE



## TECHNICAL CAREERS

*(Apprenticeship, Associate's Degree, Advanced Certification, Experience, etc.)*

- Cabinet Designer/Builder
- Jobsite Foreman
- Project Management
- Architectural Millwork
- Site Elevation Inspector
- Building Inspector
- Safety Manager
- CAD Instructor
- Computer-Controlled Machine Programmer
- Lead Drafter
- Interior Technical Designer
- Maintenance & Repair Worker, General

## PROFESSIONAL CAREERS

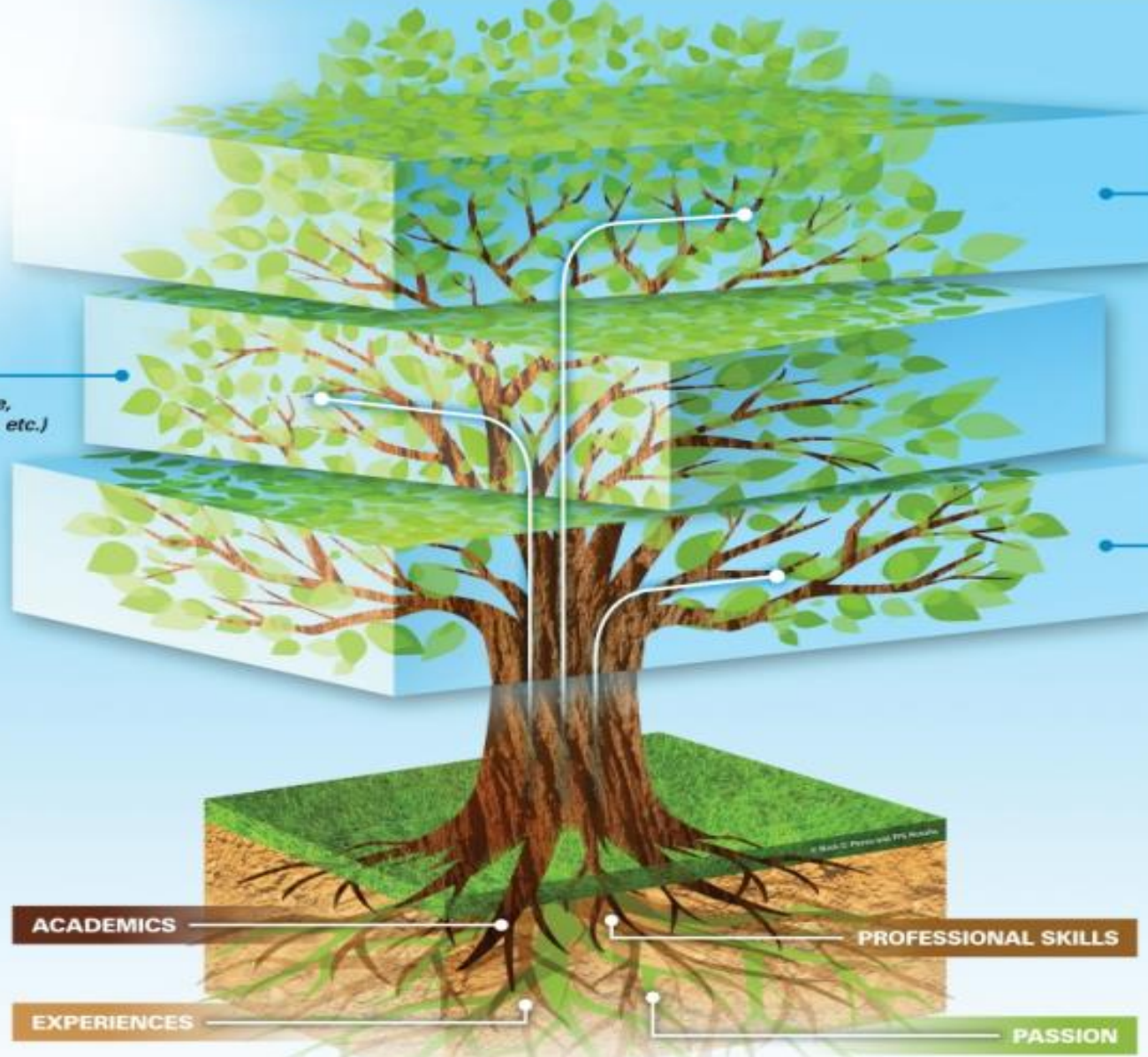
*(Bachelor's, Master's, Ph.D., Specialized Training, Experience, etc.)*

- Construction Management
- Designer
- Structural Engineering
- Civil Engineering
- Architectural Engineering
- Owner/Operator
- Interior Designer
- Landscape Architecture
- Industrial Engineer
- Petroleum Engineer
- Robotics Engineer
- Teacher of Architectural Drafting & Design

## ENTRY-LEVEL CAREERS

*(with Program Completion)*

- Carpenter
- Carpenter Helper
- Building Framer
- Trim Carpenter
- Siding Installer
- Roofer
- Scaffold Carpenter
- 3D Modeler
- CAD Operator
- Construction Laborer
- Home Designer
- Surveyor's Assistant



ACADEMICS

PROFESSIONAL SKILLS

EXPERIENCES

PASSION

# ARCHITECTURE & CONSTRUCTION





## Programs of Study

The Architecture & Construction Career Cluster focuses on designing, planning, managing, building, planning, and maintaining the built environment.

Programs of Study:  
Architecture & Constructions

<b>Advanced Credential</b> <i>150 SPS Points</i> <i>Rigor Level 3</i>	NCCER Level 2: Carpentry, Electrical, HVAC, Pipefitting, Plumbing, Welding Carpenter International Training Fund (CITF) Career Connections: Level 2 or 3
<b>Basic State Credential</b> <i>110 SPS Points</i> <i>Rigor Level 2</i>	Autodesk AutoCAD Certified User NCCER Level I: Carpentry, Electrical, HVAC Pipefitting, Plumbing, Welding Carpenter International Training Fund (CITF) Career Connections: Level I FAA Part 107: Small Unmanned Aircraft Operations
<b>Regional State Credential</b> <i>100 SPS Points</i> <i>Rigor Level 1</i>	Approved Helper Modules of NCCER Credentials OSHA 10 (If Included in IEP) Carpenter International Training Fund (CITF) Career Connections: Pre-Apprentice Core Skills

**CAREER READINESS**

Agriscience I (010301)  
JAG I & II (042010 & 042020) \*\*\*\*\*  
Quest for Success (080411)  
ROTC III & ROTC IV (170003 & 170004)

**UNIVERSAL COURSES**

Accounting I (040101)  
**Business Computer Applications (040400)**  
CDF Qualifying Internship I (1 credit - 080202)  
CDF Qualifying Internship I (2 credit - 080200)  
CDF Qualifying Internship II (1 credit - 080203)  
CDF Qualifying Internship II (2 credit - 080201)  
**Customer Service (041001)**  
**Emergency Medical Responder (090711) \*\*/\*\*\*\*\***  
Financial Literacy (160345)\*  
Foreign Language I  
Foreign Language II  
**Intro to Business Computer Applications (040401)**  
Law Studies (220506)\*\*\*  
**NCCER Core (311720) \*\*/\*\*\*\*\***  
Personal Finance (041022)  
**Principles of Business (040306)**  
Speech I (051101)  
Technical Writing (120350)  
Virtual Workplace Experience I (080205)\*\*  
Virtual Workplace Experience II (080207)\*\*

**PATHWAY CREDITS**

Ag Leadership (010364)  
**Agriscience II (010302)**  
Agriscience III (010303)  
Agriscience IV (010304)  
**Automotive Technician I (2 credits - 310312)\*\***  
**Automotive Technician II (2 credits - 310322)\*\***  
**Automotive Technician III (2 credits - 310332)\*\***  
Business Math (040307)\*  
**Carpentry I (310602)\*\***  
**Carpentry II (310612)\*\***  
Chemistry (150401)  
Computer Technology Literacy (040220)  
**Digital Media (080800)\*\***  
**Drafting & Design Technology I (2 Credits - 311302)\*\*\*\***  
**Drafting & Design Technology II (2 Credits - 311312)\*\*\*\***  
Environmental Science (150310)  
Geometry (160323)\*  
**HVAC I (2 Credits - 310102)\*\***  
**HVAC II (2 Credits - 310112)\*\***  
**Intro to Remote Controlled Vehicles (110795)\*\***  
Intro to Social Media (080818)\*\*  
**NCCER Electrical I (2 Credits - 313402)\*\***  
**NCCER Electrical II (2 Credits - 313412)\*\***  
**NCCER Pipefitter I (2 Credits - 313602)\*\***  
**NCCER Welding Technology I (2 Credits-313702)\*\*/\*\*\*\*\***  
**NCCER Welding Technology II (2 Credits-313712)\*\*/\*\*\*\*\***

\* Courses taken for core requirements cannot be used for pathway credits.

\*\* Course offered at College Street or Westlake T&amp;I

\*\*\* Course offered at Washington Marion

\*\*\*\* Course offered at Sulphur High

\*\*\*\*\* Course offered at Sulphur, Barbe, Vinton &amp; DeQuincy

Jumpstart 2.0 Pathway Courses and Certification: Architecture &  
Constructions

CPSB Course Offerings: <https://www.cpsb.org/Page/10035>

# Local Business Opportunities: Architecture & Constructions

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Architect 3 – CDM Smith

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Construction Inspector/Manager – Manchac Consulting Group

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Construction Laborer – GHD

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Utility Pole Inspection Foreman – Osmose Utilities Services

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Electrician – Austin Industrial

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Carpenter Helper – CAM Industrial Solutions

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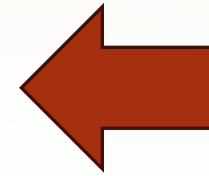
Heavy Equipment Service Technician – Louisiana Cat

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Electrician - CITGO

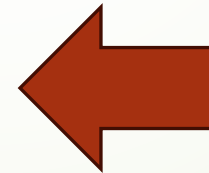
# Louisiana Colleges/Universities: Architecture & Constructions

- ▶ McNeese State University
- ▶ Louisiana State University
- ▶ Louisiana Tech University
- ▶ Southern University and A&M College
- ▶ University of Louisiana at Lafayette
- ▶ University of New Orleans



Universities

- ▶ ABC Pelican Chapter
- ▶ Baton Rouge Community College
- ▶ Sowela Technical Community College



Technical or  
Community College

# Additional Resources: Architecture & Constructions



## **O\*NET Online Career Cluster**

<https://www.onetonline.org/find/career?c=2>

## **Career Clusters – Pathways to College & Career Readiness**

<https://cte.careertech.org/sites/default/files/CCFrame-ArchitectureandConstruction.pdf>

## **Career One Stop (video)**

<https://www.careeronestop.org/Videos/IndustryVideos/architecture-and-construction-overview.aspx>

## **myFuture**

<https://myfuture.com/career/architecture-construction>

## **Louisiana Believes: Jump Start Brief**

[https://www.louisianabelieves.com/docs/default-source/js-graduation-pathways/jump-start-2-0-pathways---architecture-and-construction.pdf?sfvrsn=fdce981f\\_11](https://www.louisianabelieves.com/docs/default-source/js-graduation-pathways/jump-start-2-0-pathways---architecture-and-construction.pdf?sfvrsn=fdce981f_11)