

Making the Case for Graduate Programs

Andrea Golato, Dean, The Graduate College



TEXAS  STATE
UNIVERSITY

The rising STAR of Texas

MEMBER THE TEXAS STATE UNIVERSITY SYSTEM

Background

- ❖ Texas State University
 - ~38,000 students (~4,000 graduate students)
 - Located between Austin and San Antonio
 - Hispanic Serving Institution (55% of all students and 35% of graduate students are underrepresented minorities, 37% of all students and 24% of graduate students Hispanic)
 - 14 doctoral degrees (12 Ph.D.s, 1 DPT, 1 Ed.D)
 - 93 master's degrees
 - 21 graduate college staff members & 9 student workers



Process at Texas State

- Program creation driven by strategic planning
- Collaborative and reiterative writing process involving Curriculum Services, The Graduate College, Academic Dean, Department, proposal writers

Resources / Steps

I. Pre-Writing Stage

- Workshop on THECB requirements with emphasis on job market need
- PowerPoint and video of workshop
- Online toolkit with past successful proposals
- Budget development help

II. Writing Stage

- Reiterative process: written feedback, regular meetings to discuss feedback and next steps
- External review team commissioned by university (for Ph.D. proposals)

III. Curriculum Approval Process



THECB Requirements for the Needs Section

A. Job Market Need

Provide short- and long-term evidence of the need for graduates in the Texas and US job markets. Common sources for workforce need and workforce projections include the Bureau of Labor Statistics, the Texas Workforce Commission, and professional associations. If the program is designed to address particular regional or state needs in addition to workforce demands, provide a detailed description.

B. Existing Programs

Identify the existing programs and their locations in Texas. Provide enrollments and graduates of these programs for the last five years, and explain how the proposed program would not unnecessarily duplicate existing or similar programs in Texas. Provide evidence that existing Texas programs are at or near capacity and describe how the existing programs are not meeting current workforce needs. Provide the job placement of existing Texas programs. Provide information about the number of existing programs nationally.

C. Student Demand

Provide short- and long-term evidence of student demand for the program. Types of data commonly used to demonstrate this include increased enrollment in related and feeder programs at the institution, high enrollment in similar programs at other institutions, qualified applicants rejected at similar programs in the state, and student surveys. Provide documentation that qualified applicants are leaving Texas for similar programs in other states.

D. Student Recruitment

E. Enrollment Projections



Fundamental Expectations

- I. Demonstrate that jobs will be available for program graduates
- II. Understand similar programs that already exist in Texas
- III. Calculate the gap between jobs available and graduates of existing programs in Texas
- IV. Supplement workforce projections with additional data and information from professional organizations, reports, etc.

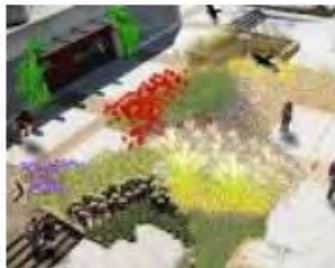


I. Jobs Available for Program Graduates

- 1) Determine CIP code of proposed program
- 2) Use CIP to SOC crosswalk to identify occupations associated with the CIP code
- 3) Review occupations to determine the level of education typically required (undergraduate, master's, doctoral)
- 4) Review Texas Workforce Commission and Bureau of Labor Statistics workforce projections for occupations identified

CIP = **C**lassification of **I**nstructional **P**rograms

SOC = **S**tandard **O**ccupational **C**lassification



New MA / MS program: Landscape Architecture

CIP Code:



I.a. Classification of Instructional Programs

- Access website to determine CIP code:

<http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>

Or:

1. in search engine, enter “IPEDS”,
2. on IPEDS site search for “CIP user guide”
3. Enter search word



What is the CIP?

The Classification of Instructional Programs (CIP) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity. CIP was originally developed by the U.S. Department of Education's National Center for Education Statistics (NCES) in 1980, with revisions occurring in 1985, 1990, and 2000. For information about these early revisions to the CIP, click [here](#) or access specific links to historical versions from the [resources](#) page. For information about CIP 2010, click the 'change year' dropdown on this site to see the available versions.

Search

Enter search terms if desired, select any of the available options, and click 'Search'. Note: Separate search terms with spaces.

Landscape Architecture

Clear

Search

[Advanced Search](#)

Search within: ☒ Title ☒ Definition ☒ Examples

2-digit series: All

CIP types: ☒ 2 digit CIP code ☒ 4 digit CIP code ☒ 6 digit CIP code

Actions: ☒ No substantive changes ☒ ★ New ☒ ✕ Deleted ☒ ◀ Moved from ☒ ▶ Moved to

Search Results

Summary of Search Criteria

- Search terms: Landscape,Architecture
- Search within: All
- 2-Digit CIP Series: All
- CIP code types: All
- Actions: All

The following results are displaying based on your selection of search criteria. You may sort your results by clicking on the arrow button at the head of each column. You may also [refine your search or begin a new one](#).

Actions Legend

★ New

✕ Deleted

▶ Moved To

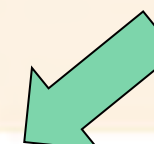
◀ Moved From

⊖ No Substantive Changes

5 records found. Viewing page 1 of 1

Print Export

Text Changed ?	Title & Definition	Action ?	CIP Code ?	Moved To / Report Under ? (2010)	Moved From ? (2000)
	Environmental Design/Architecture . A program that prepares individuals to design public and private spaces, indoor and outdoor, for leisure, recreational, commercial, and living purposes, and for professional practice as environmental designers and architects. Includes instruction in the design and planning of public and private open spaces and their relationship to buildings and other aspects of the built environment; facilities management; related aspects of interior design and architecture , landscape architecture , and urban planning; and professional responsibilities and standards.	⊖	04.0401		
	Landscape Architecture (BS, BSLA, BLA, MSLA, MLA, PhD) . A program that prepares individuals for the independent professional practice of landscape architecture and research in various aspects of the field. Includes instruction in geology and hydrology; soils, groundcovers, and horticultural elements; project and site planning; landscape design, history, and theory; environmental design; applicable law and regulations; and professional responsibilities and standards.	⊖	04.0601		
	Landscape Architecture . Instructional content is defined in code 04.0601.	⊖	04.06		
	Real Estate Development . A program that prepares individuals to create and redevelop housing, offices, retail centers, and industrial sites. Includes instruction in architectural design and construction, historic preservation, landscape architecture , urban planning and design, business, real estate and land use law, public policy, and engineering.	★	04.1001		
	Sustainability Studies . A program that focuses on the concept of sustainability from an interdisciplinary perspective. Includes instruction in sustainable development, environmental policies, ethics, ecology, landscape architecture , city and regional planning, economics, natural resources, sociology, and anthropology.	★	30.3301		





Detail for CIP Code 04.0601



Title: Landscape Architecture (BS, BSLA, BLA, MSLA, MLA, PhD).

Definition: A program that prepares individuals for the independent professional practice of landscape architecture and research in various aspects of the field. Includes instruction in geology and hydrology; soils, groundcovers, and horticultural elements; project and site planning; landscape design, history, and theory; environmental design; applicable law and regulations; and professional responsibilities and standards.

Action: No Substantive Changes

Crosswalk

☒ CIP Title or Definition Changed

CIP 2000		CIP 2010	
Code	Title	Action <input checked="" type="checkbox"/>	Code Title
04.0601	Landscape Architecture (BS, BSLA, BLA, MSLA, MLA, PhD).	<input checked="" type="checkbox"/>	04.0601 Landscape Architecture (BS, BSLA, BLA, MSLA, MLA, PhD).

Illustrative Examples

- None available

Browse

☐ 04) ARCHITECTURE AND RELATED SERVICES.

☐ 04.02) Architecture.

[04.0201\) Architecture \(BArch, BA/BS, MArch, MA/MS, PhD\).](#)

☐ 04.03) City/Urban, Community and Regional Planning.

[04.0301\) City/Urban, Community and Regional Planning.](#)

☐ 04.04) Environmental Design.

[04.0401\) Environmental Design/Architecture.](#)

☐ 04.05) Interior Architecture.

[04.0501\) Interior Architecture.](#)

☐ 04.06) Landscape Architecture.

[04.0601\) Landscape Architecture \(BS, BSLA, BLA, MSLA, MLA, PhD\).](#)



New MA / MS program:

Landscape Architecture

CIP Code:

04.0601

Professions:



I.b. Occupations Linked to CIP Code

- Standard Occupational Classification (SOC) system is used to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.
- There are 840 detailed occupational codes categorized into 23 major employment groups.
- Download CIP to SOC crosswalk and review matches:
<http://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55>

[Search Options ▼](#)[FAQs](#)[Resources](#)[Help](#)[Contact](#)[CIP Wizard](#)

Resources

2000-2010 CIP Conversion

Information on the selected CIP version is available below.

General

- [Introduction](#)
- [Acknowledgements](#)
- [Help Document](#)

Online

- [Browse all CIP codes](#)
- [Search CIP codes](#)
- [View Crosswalk 2000-2010](#)
- [View NEW CIP codes](#)
- [View DELETED CIP codes](#)
- [View MOVED CIP codes](#)

Download

- [Crosswalk 2000-2010](#)
- [CIPCode 2010](#)
- [CIPCode 2010](#)

2020 CIP SOC crosswalk files will be available by June 2020.

Archive and Historical

2010 RESOURCES

General

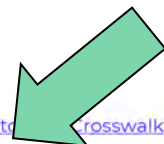
- [Introduction](#)
- [Acknowledgements](#)
- [Help Document](#)

Online

- [Search CIP codes](#)
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Download

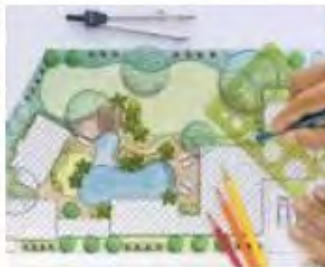
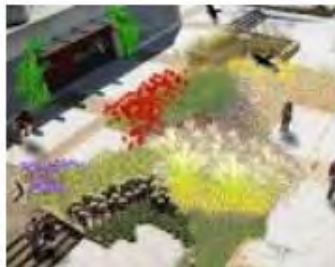
- [Crosswalk 2000-2010](#)
- [CIPCode 2010](#)
- [CIPCode 2010](#)
- [Guidelines for Using the CIP to crosswalk](#)
- [CIP 2010 to SOC 2010 Crosswalk](#)
- [SOC 2010 to CIP 2010 Crosswalk](#)





04.0401	Environmental Design/Architecture.	17-1012	Landscape Architects
04.0401	Environmental Design/Architecture.	25-1031	Architecture Teachers, Postsecondary
04.0501	Interior Architecture.	11-9041	Architectural and Engineering Managers
04.0501	Interior Architecture.	25-1031	Architecture Teachers, Postsecondary
04.0501	Interior Architecture.	27-1025	Interior Designers
04.0601	Landscape Architecture.	11-9041	Architectural and Engineering Managers
04.0601	Landscape Architecture.	17-1012	Landscape Architects
04.0601	Landscape Architecture.	25-1031	Architecture Teachers, Postsecondary
04.0801	Architectural History and Criticism, General.	17-1011	Architects, Except Landscape and Naval
04.0801	Architectural History and Criticism, General.	19-3093	Historians
04.0901	Architectural Technology/Technician.	17-3011	Architectural and Civil Drafters
04.0902	Architectural and Building Sciences/Technology.	11-9041	Architectural and Engineering Managers
04.0902	Architectural and Building Sciences/Technology.	17-3011	Architectural and Civil Drafters
04.0902	Architectural and Building Sciences/Technology.	25-1031	Architecture Teachers, Postsecondary
04.0999	Architectural Sciences and Technology, Other.	17-3011	Architectural and Civil Drafters
04.0999	Architectural Sciences and Technology, Other.	25-1031	Architecture Teachers, Postsecondary
04.1001	Real Estate Development.	11-9141	Property, Real Estate, and Community Association Managers
04.1001	Real Estate Development.	13-2021	Appraisers and Assessors of Real Estate
04.1001	Real Estate Development.	19-3051	Urban and Regional Planners
04.1001	Real Estate Development.	25-1069	Social Sciences Teachers, Postsecondary, All

Results: Three occupations match the CIP code



New MA / MS program: Landscape Architecture

CIP Code: 04.0601

Professions:

17-1012 Landscape Architects

11-9041 Architectural and Engineering Managers

25-1031 Architecture Teachers, Postsecondary

Degree Required:



I.c. Educational Requirements

- The Occupational Outlook Handbook (OOC) provides specific information on occupations.
- Information includes duties, education and training, pay, and outlook for hundreds of occupations in 25 major categories.
- Access website and review information for each SOC title that matches CIP code:
<http://www.bls.gov/ooh/a-z-index.htm>



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OOH HOME | OCCUPATION FINDER | OOH FAQ | OOH GLOSSARY | A-Z INDEX | OOH SITE MAP

OCCUPATIONAL OUTLOOK HANDBOOK

Search Handbook Go

Occupational Outlook Handbook >
Home
It's new!
Get the CareerInfo app for the Occupational Outlook Handbook (OOH), available for [iOS](#) and for [Android](#) devices.

OCCUPATION GROUPS

- Architecture and Engineering
- Arts and Design
- Building and Grounds Cleaning
- Business and Financial
- Community and Social Service
- Computer and Information Technology
- Construction and Extraction
- Education, Training, and Library
- Entertainment and Sports
- Farming, Fishing, and Forestry
- Food Preparation and Serving
- Healthcare
- Installation, Maintenance, and Repair
- Legal
- Life, Physical, and Social Sciences
- Management
- Math
- Media and Communication
- Military
- Office and Administrative Support
- Personal Care and Service
- Production
- Protective Service
- Sales
- Transportation and Material Moving

SELECT OCCUPATIONS BY

2018 Median Pay | Entry-Level Education | On-the-job Training
Number of New Jobs (Projected) | Growth Rate (Projected) | GO

FEATURED OCCUPATION

Private Detectives and Investigators
Private detectives and investigators search for information about legal, financial, and personal matters.
[view profile »](#)

A-Z INDEX

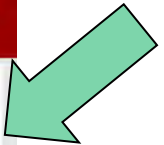
ABCDEFGHIJKLMNOPQRSTUVWXYZ

BROWSE OCCUPATIONS

Highest Paying | Fastest Growing (Projected) | Most New Jobs (Projected)

BROWSE RESOURCES

Frequently Asked Questions | Glossary | Teacher's Guide | Career Outlook



OCCUPATIONAL OUTLOOK HANDBOOK

[Go](#)

Occupational Outlook Handbook > Architecture and Engineering >

Landscape Architects

[PRINTER-FRIENDLY](#)


[Summary](#)
[What They Do](#)
[Work Environment](#)
[How to Become One](#)
[Pay](#)
[Job Outlook](#)
[State & Area Data](#)
[Similar Occupations](#)
[More Info](#)

Summary

Quick Facts: Landscape Architects

2018 Median Pay ?	\$68,230 per year \$32.80 per hour
Typical Entry-Level Education ?	Bachelor's degree
Work Experience in a Related Occupation ?	None
On-the-job Training ?	Internship/residency
Number of Jobs, 2018 ?	23,500
Job Outlook, 2018-28 ?	4% (As fast as average)
Employment Change, 2018-28 ?	1,000




[What Landscape Architects Do](#)

Landscape architects design parks and other outdoor spaces.

[Work Environment](#)

Landscape architects spend much of their time in offices, where they create designs, prepare models, and meet with clients. They spend the rest of their time at jobsites.

[How to Become a Landscape Architect](#)

All states require landscape architects to be licensed. Licensing requirements vary by state but usually include at least a bachelor's degree in landscape architecture from an accredited school, internship experience, and passing the [Landscape Architect Registration Examination](#) .

[Pay](#)

The median annual wage for landscape architects was \$68,230 in May 2018.

[Job Outlook](#)

Employment of landscape architects is projected to grow 4 percent from 2018 to 2028, about as fast as the average for all occupations. Planning and developing new commercial, industrial, and residential construction projects and redeveloping existing landscapes are expected to drive employment growth.

OCCUPATIONAL OUTLOOK HANDBOOK

Occupational Outlook Handbook > Architecture and Engineering >

Landscape Architects

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How to Become a Landscape Architect

About this section

Landscape architects usually need a degree in landscape architecture and a state-issued license, which typically requires completion of an internship.

Education

A bachelor's or master's degree in landscape architecture is usually necessary for entry into the profession. There are two undergraduate landscape architect professional degrees: a Bachelor of Landscape Architecture (BLA) and a Bachelor of Science in Landscape Architecture (BSLA). These programs usually require 4 to 5 years of study.

Accredited programs are approved by the [Landscape Architectural Accreditation Board](#) (LAAB). Those with an undergraduate degree in a field other than landscape architecture may enroll in a Master of Landscape Architecture (MLA) graduate degree program, which typically takes 3 years of full-time study.

Courses typically include surveying, landscape design and construction, landscape ecology, site design, and urban and regional planning. Other relevant coursework may include history of landscape architecture, plant and soil science, geology, professional practice, and general management.

The design studio is a key component of any curriculum. Whenever possible, students are assigned real projects, providing them with valuable hands-on experience. While working on these projects, students become proficient in the use of computer-aided design and drafting (CADD), model building, and other design software.

Training

To become licensed, candidates must meet experience requirements determined by each state. A list of training requirements can be found at the [Council of Landscape Architectural Registration Boards](#) .

New hires may be called intern landscape architects until they become licensed. Although duties vary with the type and size of the employing firm, interns typically must work under the supervision of a licensed landscape architect for the experience to count toward licensure. Potential landscape architects may benefit by completing an internship with a landscape architecture firm during educational studies. Interns may improve their technical skills and gain an understanding of the day-to-day operations of the business, including learning how to recruit clients, generate fees, and work within a budget.

Licenses, Certifications, and Registrations

All states except for Illinois, Massachusetts, and Maine require landscape architects to be licensed in order to practice. Licensing is based on candidates passing the [Landscape Architect Registration Examination](#) (LARE), which is sponsored by the [Council of Landscape Architectural Registration Boards](#) .

Candidates who are interested in taking the exam usually need a degree from an accredited school and a few years of work experience under the supervision of a licensed landscape architect, although [standards vary by state](#) . For those without an accredited landscape architecture degree, many states offer alternative paths—which usually require more work experience—to qualify to take the LARE.



New hires may be called intern landscape architects until they become licensed. Interns are often supervised by more experienced landscape architects.



New MA / MS program: Landscape Architecture

CIP Code: 04.0601

Professions / Degree

17-1012 Landscape Architects

- Bachelor's degree (Master's for those with other BAs)

11-9041 Architectural and Engineering Managers

- Bachelor's degree

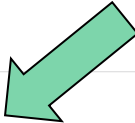
25-1031 Architecture Teachers, Postsecondary

- Ph.D.

Projections?

I.d. Employment Projections

- Access U.S. data: Review occupational profile in OOC



Occupational Outlook Handbook > Architecture and Engineering >
Landscape Architects

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Job Outlook [About this section](#)



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Job Outlook

[About this section](#) 

Employment of landscape architects is projected to grow 4 percent from 2018 to 2028, about as fast as the average for all occupations.

The need for planning and developing new and existing landscapes for commercial, industrial, and residential construction projects is expected to drive employment growth. In addition, environmental concerns and increased demand for sustainably designed buildings and open spaces should spur demand for the services of landscape architects. For example, landscape architects are involved in the design of green roofs, which are covered with vegetation and help reduce air and water pollution as well as decrease the costs of heating and cooling a building.

Efforts to conserve water and prevent waterway pollution are expected to continue, especially in areas prone to drought. Landscape architects will be needed to design plans for managing storm-water runoff in these efforts.

Job Prospects

There may be strong competition for the relatively small number of jobs in this occupation. Job opportunities may fluctuate with the overall state of the economy, as the number of landscape architecture projects is often tied to increases or decreases in business and consumer spending.

Landscape Architects

Percent change in employment, projected 2018-28

Architects, surveyors, and cartographers

8%

Total, all occupations

5%

Landscape architects

4%

Note: All Occupations includes all occupations in the U.S. Economy.

Source: U.S. Bureau of Labor Statistics, Employment Projections program

Employment projections data for landscape architects, 2018-28

Occupational Title	SOC Code	Employment, 2018	Projected Employment, 2028	Change, 2018-28		Employment by Industry
				Percent	Numeric	
Landscape architects	17-1012	23,500	24,600	4	1,000	Get data

SOURCE: U.S. Bureau of Labor Statistics, Employment Projections program



New MA / MS program: Landscape Architecture
CIP Code: 04.0601

Professions / Degree / Projections

17-1012 Landscape Architects

- Bachelor's degree (Master's for those with other BAs)
- Job outlook: 4% (1,000 positions)

11-9041 Architectural and Engineering Managers

- Bachelor's degree
- Job outlook: 3% (5,400 positions)

25-1031 Architecture Teachers, Postsecondary

- Ph.D.
- Job outlook: 15%



Data at the State Level

- ❖ States also have workforce data:
 - Good starting point: list of state level labor departments:
https://www.dol.gov/whd/contacts/state_of.htm
- ❖ For Texas: Texas Workforce Commission <https://lmci.state.tx.us/>



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CAREER INFORMATION

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**Texas Interactive
Workforce Data**

Click Here to

**EXPLORE
YOUR BRIGHT
FUTURE!**



Labor Market Information



[Texas LMI](#)

Watch the instructional videos! A suite of easy to use labor market research tools that provides time series labor market data and inquiry capabilities for labor force, employment/unemployment estimates, industry and occupational projections, and occupational wage data.



[Texas Labor Analysis](#)

Texas Labor Analysis is an online suite of labor analysis tools to help provide insight into the Texas labor supply and labor demand. Create in-depth statewide or regional reports for aggregated or single regions.



[Texas Wages](#)

Not sure how much to pay for different jobs in your business? Check out TexasWages.com to move your business forward!



[The Texas AutoCoder](#)

Enter any job title or job description and we will provide you the

Students, Counselors, & Teachers



[Jobs Y'all](#)

Anything is possible – that's what Jobs Y'all is all about. Jobs Y'all is where you can explore good-paying and meaningful careers in growing industries. Here, you'll discover rewarding and satisfying jobs right in your hometown or elsewhere in Texas. Find the career that matches your interests and goals. Your career starts here.



[Texas Internship Challenge](#)

The Texas Internship Challenge is a partnership between the Texas Workforce Commission (TWC), Texas Education Agency (TEA) and The Higher Education Coordinating Board (THECB), who challenge employers to offer paid internships and make it easy for students to search and apply for them.



[Texas Reality Check](#)

It's difficult to predict the future, but it's never too early to start planning for it. Texas Reality Check will show you how much your living expenses will cost, and the amount of money you will need to earn to pay for them.



[Texas Career Check](#)

Texas Labor Market Highlights – OCTOBER 2019

Unemployment Rate*

3.4%

Total Non-Farm Employment*

12,897,400

Jobs Change Over the Year

297,100

* Seasonally Adjusted



LMI by Category

Local Area Unemployment Statistics (LAUS)

View monthly and annual civilian labor force, employment, unemployment, and unemployment rate estimates by state, county, metropolitan area, workforce development area and many cities, by place of residence.

[Watch Video](#)

Current Employment Statistics (CES)

Generate a report for monthly and annual nonagricultural employment data by industry for Texas and metropolitan areas.

[Watch Video](#)

Quarterly Census of Employment and Wages (QCEW)

View and generate a report for quarterly data derived from the state's unemployment tax program measuring employment and wages by industry by state, county, metropolitan and workforce development areas.

[Watch Video](#)

Occupational Employment Statistics (Wages)

Provides current annual and hourly wage estimates for up to 800 detailed occupations by state, metropolitan and workforce development area, and industry.

[Watch Video](#)

Projections

View and generate a 10-year forecast for employment by industry and occupation for the state of Texas and each of the 28 workforce development areas.

[Watch Video](#)

Staffing Patterns

View the specific occupations and employment that make up each industry within Texas and each of the 28 workforce development areas.

Economic Profiles

Workforce Development Area (WDA) Profiles

A compilation of selected economic data including LAUS and quarterly industry data by Texas' 28 local workforce development areas.

Metropolitan Statistical Area (MSA) Profiles

A compilation of selected economic data including industry composition, current employment statistics by industry, and unemployment information for Texas' metropolitan areas.

Industry Profiles

An economic profile of Texas industry by category to assist in better understanding Texas regional industry dynamics.

Texas Economic Profile

Economic Profile for Texas and US industry data to assist in better understanding Texas industry dynamics.



Popular Downloads

Popular Downloads and Resources

A categorized collection of popular files available for download and various resource links.



Latest

■ C

16,0
14,0
12,0
10,0
8,0
6,0
4,0
2,0

Labor Force

4.4%
4.2%
4%
3.8%
3.6%
3.4%
3.2%
3%

La



Projections

Select Area Type

☒ Texas ☐ WDA

☐ Include all WDAs

[Table Customizations/Keyboard Shortcuts](#) ?

Select Occupations

▼

Selected 0 of 909 occupations.

<input type="checkbox"/>	Occupation Code	Occupation Title
<input type="checkbox"/>	00-0000	Total, All Occupations
<input type="checkbox"/>	11-0000	Management Occupations
<input type="checkbox"/>	11-1000	Top Executives
<input type="checkbox"/>	11-1011	Chief Executives

Projected Employment for the years 2016 - 2026

[Customize the report/Help with Accessibility](#) ?

Reset

Export to Excel

Drag a column header and drop it here to group by that column

Area	Occupati... Title	Estim... Empl... (2016)	Projected Employ... (2026)	Percent Change	Annual Openings
Texas	Landscape Architects	1,774	2,063	16.29	163

Question: Are Texas public universities graduating at least 163 students per year with landscape architecture degrees?



New MA / MS program: Landscape Architecture
CIP Code: 04.0601

Professions / Degree / Projections for TEXAS

17-1012 Landscape Architects

- Bachelor's degree (Master's for those with other BAs)
- Job outlook: 4% (1,000 positions)
- **TEXAS outlook (2016-2026): 16.29% (163 annual jobs)**

11-9041 Architectural and Engineering Managers

- Bachelor's degree
- Job outlook: 3% (5,400 positions)
- **TEXAS outlook (2016-2026): 15.62% (960 annual jobs)**

25-1031 Architecture Teachers, Postsecondary

- Ph.D.
- Job outlook: 15%
- **TEXAS outlook (2016-2026): 9.4% (180 annual jobs)**



II. Similar Programs in Texas

- Access information on similar programs in Texas (program level, CIP code) from the Texas Higher Education Coordinating Board

<http://www.thecb.state.tx.us/apps/programinventory/>

- Review university websites for more detailed information on similar programs



Program Inventory

The degree program inventory contains information on degree and certificate programs offered by Texas public institutions of higher education. Locations of higher education throughout the state can be found on our [Higher Education Locator Map \(HELM\)](#).



Degree Program Search

This tool allows a user to search by one or more fields to find a degree program(s) offered at one or more public colleges, universities, or health-related institutions.

Institution's Inventory of Degree Programs

This tool allows a user to search by institutional name to obtain a full list of its degree programs by either the institution's administrative structure or CIP Code.

Distance Education Program Search

This tool allows a user to search by distance education type to obtain a full list of offerings for selected institution types or selected institutions.



Program Search

This tool allows a user to search by one field or a combination of fields to find a degree program(s) offered at one or more public community, technical, or state college, public university, health-related institution, Independent/Private(ICUT) Institution, For Profit Colleges & Universities Authorized by Certificate, or Other Institutions Authorized by Certificate.

Texas CIP Codes: CIP codes are used to identify degree and certificate programs, courses, and declared majors on the reports and inventories of the Texas Higher Education Coordinating Board.

Characteristics of Doctoral Programs: The Characteristics provide a snapshot of doctoral programs offered by Texas public universities and health-related institutions and serve as a reference for the general public who are interested in doctoral education, including prospective students and their families.

Institution Type:

- ☐ Community Colleges
- ☐ State Colleges
- ☐ Technical Colleges
- ☒ Public Universities
- ☐ Health Related Institutions
- ☐ Independent Colleges and Universities of Texas (ICUT)
- ☐ For Profit Colleges & Universities Authorized by Certificate
- ☐ Other Institutions Authorized by Certificate

Institution: [All Institutions for Selected Types] ▾

Degree Level: [All] ▾

CIP Code: 04 .0601 .

Enter 2-digit stem codes to retrieve the broadest possible results.

Program Name:

Enter key words or truncated words to retrieve the broadest possible results.

Output:

☒ HTML ☐ PDF



- Public Universities

4 in [Universities](#)

Program Level: ANY
CIP Code: 04.0601.*
Program Name: ANY

Awards Legend**A** - Associate**M** - Master**P** - Professional**E** - Enhanced Skills Certificate**B** - Bachelor**D** - Doctorate**C** - Certificate**T** - Advanced Technical Certificate**Universities**


Institution	Program Name	CIP Code	Award Given	
Texas A&M University	LANDSCAPE ARCHITECTURE	04.0601.00	B	M
Texas Tech University	LANDSCAPE ARCHITECTURE	04.0601.00	B	M
The University of Texas at Arlington	LANDSCAPE ARCHITECTURE	04.0601.00		M
The University of Texas at Austin	LANDSCAPE ARCHITECTURE	04.0601.00		M

Results: 2 bachelor's programs and
 4 master's programs at public institutions
 In Texas



III. Gap between Jobs Available and Graduates of Existing Programs

- THECB provides enrollment and graduation data on specific academic programs (by CIP code) from public universities
- Visit <http://www.txhigheredaccountability.org/acctpublic/#goal2>



60x30TX

Texas Higher Education Accountability System

Home

Resources ▾

THECB ▾

60x30TX.com

Interactive

STATEWIDE


PUBLIC UNIVERSITIES

▶ PUBLIC TWO-YEAR COLLEGES

PUBLIC HEALTH-RELATED INSTITUTIONS

▶ NON-TEXAS & CAREER INSTITUTIONS


Create Complete Report (PDF)





Need Help?


Under Resources above, [Quick Start Guide](#) if you are new, [Interactive Guide](#) to download data, and [News and Updates](#) for the latest important information.

Select a 60x30TX goal below to see related measures for **Statewide**:

 [60x30: Educated Population](#)

 [Completion](#)

 [Marketable Skills](#)

 [Student Debt](#)

By 2030, at least 60 percent of Texans ages 25-34 will have a certificate or degree.

By 2030, at least 550,000 students in that year will complete a certificate, associate, bachelor's, or master's from an institution

By 2030, all graduates from Texas public institutions of higher education will have completed programs with identified

By 2030, undergraduate student loan debt will not exceed 60 percent of first-year wages for graduates of Texas public

TEXAS STATE UNIVERSITY

The rising STAR of Texas

http://www.txhighereddata.org/Interactive/PREP_New/

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Download Data

Download data from the Accountability database in Excel or PDF format

Predefined Reports

Frequently requested reports on topics such as Fall Headcount, Graduation Rates, Degree and Certificates Awarded, and others

Accountability Reports

Reports showing all Accountability measures by institution, sector, peer group or statewide



<http://www.txhigheredaccountability.org/AcctPublic/InteractiveReport/ManageReports>

Select Institution:

Statewide ▼

What data would you like to see?

Degrees and Certificates Awarded by C ▼

Select Year(s) to Filter

2017, 2018 ▼

Select MajorType(s) to Filter

All selected (4) ▼

Select LevelGroup(s) to Filter

All selected (11) ▼

Select CIPGroup(s) to Filter

04 - Architecture and Related Services ▼

Select CIP(s) to Filter

04060100 - Landscape Architecture ▼

Select CIP(s) to Filter

04060100 - Landscape Architecture ▾

View Report

Show 25 ▾ entries

Create CSV

Create PDF

DimYear	InstTypeList	InstList	MajorTypeDesc	LevelGroupDesc	CIPGroupDesc	CIPDesc	Count
2016	Public Universities	Statewide	Academic	Bachelor's	04 - Architecture and Related Services	04060100 - Landscape Architecture	28
2016	Public Universities	Statewide	Academic	Master's	04 - Architecture and Related Services	04060100 - Landscape Architecture	41
2017	Public Universities	Statewide	Academic	Bachelor's	04 - Architecture and Related Services	04060100 - Landscape Architecture	38
2017	Public Universities	Statewide	Academic	Master's	04 - Architecture and Related Services	04060100 - Landscape Architecture	46

Results: Texas public institutions are graduating 80+ students each year with landscape architecture degrees. 163 landscape architects are needed per year. What about the other two occupations identified?



Next Steps

- Texas needs over 960 architecture and engineering managers per year.
- Texas needs 180 post-secondary teachers of architecture per year.
- Landscape architecture is not the only degree that will work for these two occupations, as they are broader in nature.
- Analysis should incorporate broader architecture programs and graduates in the state.
- Supplemental surveys and support are needed.



Other Resources

Additional tools to conduct market analysis:

- ❖ [America's Labor Market Analyzer \(ALMA\)](#)
- ❖ [EMSI](#)
- ❖ Others?

Companies that provide market analysis:

- ❖ [EAB](#)
- ❖ [Wiley Education Services](#)
- ❖ [Hanover Research](#)
- ❖ Others?



Lessons Learned at Texas State

- Strong undergraduate programs are vital for master's programs; strong master's programs are vital for doctoral programs.
- Only programs on the strategic plan move forward in the order in which they were proposed.
- For doctoral programs, the faculty must have strong research records.
- Not all concentrations / tracks of a proposed degree may turn out to be viable. We move forward with the viable one(s) to be authorized to offer the degree. Adding tracks/concentrations later is easier.
- Open communication with faculty is essential.
- Faculty can still participate in the program (as teachers, advisors, etc.) even if their specialization is not one of final concentrations.
- Proposal writers typically receive summer salary, work load credits, etc.
- It can be helpful to hire an editor for consistent style.
- Once the program is approved, you need to market it (print, digital, social media, geofencing).



Questions?

- agolato@txstate.edu