

The Associate in Science (A.S.) Degree in Architectural Design and Construction Technology program prepares students for entry-level positions in architecture, computer-aided-design, or construction management.

The program emphasizes architectural and construction theory fundamentals combined with applied laboratory instruction in the latest techniques using the most current technology as dictated by industry conventions and standards. The program is dedicated to providing a well-balanced education that enhances the experiences and employment potential for graduates.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> View career information at http://www.fscj.edu/careercoach
<input type="checkbox"/> Meet with your advisor each term.
<input type="checkbox"/> Fulfill the Civic Literacy requirement.
<input type="checkbox"/> Satisfy the associate in science degree graduation requirements.

Career Options

This program prepares you for entry-level positions as architectural drafters or assistants. Typical places of employment are architectural or engineering firms and construction contractors.

Advising

(904) 633-8228 or act@fscj.edu.

Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **Full-time students will refer to the term-by-term recommendations, and part-time students will take courses in the order listed.** A minimum grade of C or higher must be achieved in all professional courses, as well as courses used to satisfy the general education and civic literacy requirements.

A list of Professional Elective Coursework options is available at the end of this document.

Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies	Varies
<input type="checkbox"/>	MAC 1105: College Algebra or MAC 1140: Precalculus Algebra	3 or 4	Varies	Varies
<input type="checkbox"/>	BCN 1251: Construction Drawing	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210: Construction Materials	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210L: Construction Materials Lab	1	All	On-Campus

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	MAC 1114: College Trigonometry	3	All	Hybrid, Online
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies	Varies
<input type="checkbox"/>	ETD 1100: Engineering Drawing	3	All	All
<input type="checkbox"/>	Professional Elective	3	Varies	Varies

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2053C: General Physics I	3	Varies	Varies
<input type="checkbox"/>	ENC 2210: Technical Report Writing	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2280: Surveying: Construction Layout	3	All	Hybrid, Online
<input type="checkbox"/>	CGS 2470: Computer Aided Drafting and Design	3	All	Hybrid, Online

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies	Varies
<input type="checkbox"/>	BCN 2793: Managing Building Construction	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2405: Introduction to Structures	3	All	Online
<input type="checkbox"/>	ETD 2542: Structural Drafting	3	All	All
<input type="checkbox"/>	Professional Elective: ETD 2395: CAD – Architectural	3	Fall, Spring	On-Campus, Online

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105.

Related Roadmaps

Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Students may pursue the A.S. degree and earn technical certificates while completing the requirements for the degree or pursue one or more certificates to develop or upgrade their skills in a particular field. Contact an advisor to determine the career education path that is best for you. Embedded technical certificates include:

- Computer Aided Technical Design
- Advanced Computer-Aided Technical Design
- GIS (Geographic Information System) Technician

Term 5

Note: All other program courses should be completed prior to registering for TAR 1942.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	TAR 1942: Internship	3	Fall, Spring	Hybrid, Online
<input type="checkbox"/>	Professional Elective: BCN 2226: Soils and Foundations	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective: BCN 2614: Planning and Estimating	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective: BCN 2760: Construction Design and Codes	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective	3	Varies	Varies

Total Program Credit Hours

The Architectural Design and Construction Technology A.S. degree program requires a **minimum of 66 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.

Professional Elective Coursework Options

Professional Elective Coursework required for completion of the Architectural Track are included in the recommended roadmap above. Students must complete a **minimum of 6 additional credit hours** from the Professional Elective Coursework Options listed below to fulfill the minimum requirements for the A.S. degree in Architectural Design and Construction Technology.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	BCN 2563: Electrical Systems	2	Spring	On-Campus
<input type="checkbox"/>	BCN 2721: Construction Scheduling	3	Fall	On-Campus
<input type="checkbox"/>	CGS 1100C: Microcomputer Applications for Business and Economics	3	All	On-Campus, Online
<input type="checkbox"/>	CGS 2542: Database Concepts for Microcomputers	3	All	All
<input type="checkbox"/>	ETD 2350: CAD - Advanced	3	Fall	On-Campus, Online
<input type="checkbox"/>	ETD 2536: CAD - Mechanical	3	Fall, Spring	On-Campus, Online
<input type="checkbox"/>	ETD 2551: CAD - Civil	3	Fall	On-Campus, Online
<input type="checkbox"/>	GIS 2040: Fundamentals of Geographic Information Systems	3	Fall	On-Campus
<input type="checkbox"/>	GIS 2045: Intermediate Geographic Information Systems	3	Spring	On-Campus
<input type="checkbox"/>	GIS 2046: Advanced Geographic Information Systems	3	Spring	On-Campus

The Associate in Science (A.S.) Degree in Architectural Design and Construction Technology program prepares students for entry-level positions in architecture, computer-aided-design, or construction management.

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Career Options

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Advising

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Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **Full-time students will refer to the term-by-term recommendations, and part-time students will take courses in the order listed.** A minimum grade of C or higher must be achieved in all professional courses, as well as courses used to satisfy the general education and civic literacy requirements.

A list of Professional Elective Coursework options is available at the end of this document.

Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies	Varies
<input type="checkbox"/>	MAC 1105: College Algebra or MAC 1140: Precalculus Algebra	3 or 4	Varies	Varies
<input type="checkbox"/>	BCN 1251: Construction Drawing	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210: Construction Materials	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210L: Construction Materials Lab	1	All	On-Campus

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	MAC 1114: College Trigonometry	3	Varies	Varies
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies	Varies
<input type="checkbox"/>	ETD 1100: Engineering Drawing	3	All	All
<input type="checkbox"/>	Professional Elective	3	Varies	Varies

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2053C: General Physics I	3	Varies	Varies
<input type="checkbox"/>	ENC 2210: Technical Report Writing	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2280: Surveying: Construction Layout	3	All	Hybrid, Online
<input type="checkbox"/>	CGS 2470: Computer Aided Drafting and Design	3	All	Hybrid, Online

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies	Varies
<input type="checkbox"/>	BCN 2793: Managing Building Construction	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2405: Introduction to Structures	3	All	Online
<input type="checkbox"/>	ETD 2542: Structural Drafting	3	All	All
<input type="checkbox"/>	Professional Elective: ETD 2551: CAD - Civil	3	Fall	On-Campus, Online

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105.

Related Roadmaps

Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Students may pursue the A.S. degree and earn technical certificates while completing the requirements for the degree or pursue one or more certificates to develop or upgrade their skills in a particular field. Contact an advisor to determine the career education path that is best for you. Embedded technical certificates include:

- Computer Aided Technical Design
- Advanced Computer-Aided Technical Design
- GIS (Geographic Information System) Technician

Term 5

Note: All other program courses should be completed prior to registering for TAR 1942: Internship.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	TAR 1942: Internship	3	Fall, Spring	Hybrid, Online
<input type="checkbox"/>	Professional Elective: BCN 2226: Soils and Foundations	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective: BCN 2721: Construction Scheduling	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective: BCN 2760: Construction Design and Codes	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective	3	Varies	Varies

Total Program Credit Hours

The Architectural Design and Construction Technology A.S. degree program requires a **minimum of 66 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.

Professional Elective Coursework Options

Professional Elective Coursework required for completion of the Civil Track are included in the recommended roadmap above. Students must complete a **minimum of 6 additional credit hours** from the Professional Elective Coursework Options listed below to fulfill the minimum requirements for the A.S. degree in Architectural Design and Construction Technology.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	BCN 2563: Electrical Systems	2	Spring	On-Campus
<input type="checkbox"/>	BCN 2614: Planning and Estimating	3	Fall	On-Campus
<input type="checkbox"/>	CGS 1100C: Microcomputer Applications for Business and Economics	3	All	On-Campus, Online
<input type="checkbox"/>	CGS 2542: Database Concepts for Microcomputers	3	All	All
<input type="checkbox"/>	ETD 2350: CAD - Advanced	3	Fall	On-Campus, Online
<input type="checkbox"/>	ETD 2395: CAD - Architectural	3	Fall, Spring	On-Campus, Online
<input type="checkbox"/>	ETD 2536: CAD - Mechanical	3	Fall, Spring	On-Campus, Online
<input type="checkbox"/>	GIS 2040: Fundamentals of Geographic Information Systems	3	Fall	On-Campus
<input type="checkbox"/>	GIS 2045: Intermediate Geographic Information Systems	3	Spring	On-Campus
<input type="checkbox"/>	GIS 2046: Advanced Geographic Information Systems	3	Spring	On-Campus

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A list of Professional Elective Coursework options is available at the end of this document.

Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies	Varies
<input type="checkbox"/>	MAC 1105: College Algebra or MAC 1140: Precalculus Algebra	3 or 4	Varies	Varies
<input type="checkbox"/>	BCN 1251: Construction Drawing	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210: Construction Materials	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210L: Construction Materials Lab	1	All	On-Campus

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	MAC 1114: College Trigonometry	3	All	Hybrid, Online
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies	Varies
<input type="checkbox"/>	ETD 1100: Engineering Drawing	3	All	All
<input type="checkbox"/>	Professional Elective	3	Varies	Varies

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2053C: General Physics I	3	Varies	Varies
<input type="checkbox"/>	ENC 2210: Technical Report Writing	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2280: Surveying: Construction Layout	3	All	Hybrid, Online
<input type="checkbox"/>	CGS 2470: Computer Aided Drafting and Design	3	All	Hybrid, Online

Important for You to Know

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Related Roadmaps

Embedded Technical Certificate(s)

Technical certificates are available within this degree program. Students may pursue the A.S. degree and earn technical certificates while completing the requirements for the degree or pursue one or more certificates to develop or upgrade their skills in a particular field. Contact an advisor to determine the career education path that is best for you.

Embedded technical certificates include:

- Computer Aided Technical Design
- Advanced Computer-Aided Technical Design
- GIS (Geographic Information System) Technician

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies	Varies
<input type="checkbox"/>	BCN 2793: Managing Building Construction	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2405: Introduction to Structures	3	All	Online
<input type="checkbox"/>	ETD 2542: Structural Drafting	3	All	All
<input type="checkbox"/>	Professional Elective: BCN 2614: Planning and Estimating	3	Fall	On-Campus, Online

Term 5

Note: All other program courses should be completed prior to registering for TAR 1942: Internship.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	TAR 1942: Internship	3	Fall, Spring	Hybrid, Online
<input type="checkbox"/>	Professional Elective: ETD 2350: CAD - Advanced	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective: ETD 2395: CAD - Architectural	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective: ETD 2536: CAD - Mechanical	3	Fall	On-Campus
<input type="checkbox"/>	Professional Elective: ETD 2551: CAD - Civil	3	Varies	Varies

Total Program Credit Hours

The Architectural Design and Construction Technology A.S. degree program requires a **minimum of 66 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.

Professional Elective Coursework Options

Professional Elective Coursework required for completion of the Drafting and Design Track are included in the recommended roadmap above. Students must complete a **minimum 3 additional credit hours** from the Professional Elective Coursework Options listed below to fulfill the minimum requirements for the A.S. degree in Architectural Design and Construction Technology.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	BCN 2226: Soils and Foundations	3	Fall	On-Campus
<input type="checkbox"/>	BCN 2563: Electrical Systems	2	Spring	On-Campus
<input type="checkbox"/>	BCN 2721: Construction Scheduling	3	Fall	On-Campus
<input type="checkbox"/>	BCN 2760: Construction Design and Codes	3	Fall	On-Campus
<input type="checkbox"/>	CGS 1100C: Microcomputer Applications for Business and Economics	3	All	On-Campus, Online
<input type="checkbox"/>	CGS 2542: Database Concepts for Microcomputers	3	All	All
<input type="checkbox"/>	GIS 2040: Fundamentals of Geographic Information Systems	3	Fall	On-Campus
<input type="checkbox"/>	GIS 2045: Intermediate Geographic Information Systems	3	Spring	On-Campus
<input type="checkbox"/>	GIS 2046: Advanced Geographic Information Systems	3	Spring	On-Campus

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Term 1

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	Professional Elective: CGS 1100C: Microcomputer Applications for Business and Economics	3	All	On-Campus, Online
<input type="checkbox"/>	MAC 1105: College Algebra or MAC 1140: Precalculus Algebra	3 or 4	Varies	Varies
<input type="checkbox"/>	BCN 1251: Construction Drawing	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210: Construction Materials	3	Fall	On-Campus
<input type="checkbox"/>	BCN 1210L: Construction Materials Lab	1	All	On-Campus

Term 2

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	Professional Elective: CGS 2542: Database Concepts for Microcomputers	3	All	All
<input type="checkbox"/>	ENC 1101: English Composition I or ENC 1101C: English Composition I Enhanced	3 or 4	Varies	Varies
<input type="checkbox"/>	MAC 1114: College Trigonometry	3	All	Hybrid, Online
<input type="checkbox"/>	AMH 2020: United States History From 1877 to the Present or POS 2041: American Federal Government	3	Varies	Varies
<input type="checkbox"/>	ETD 1100: Engineering Drawing	3	All	All

Term 3

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	Professional Elective: GIS 2040: Fundamentals of Geographic Information Systems	3	Fall	On-Campus
<input type="checkbox"/>	PHY 1020C: Physics for Liberal Arts with Laboratory or PHY 2053C: General Physics I	3	Varies	Varies
<input type="checkbox"/>	ENC 2210: Technical Report Writing	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2280: Surveying: Construction Layout	3	All	Hybrid, Online
<input type="checkbox"/>	CGS 2470: Computer Aided Drafting and Design	3	All	Hybrid, Online

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Related Roadmaps

Embedded Technical Certificate(s)

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- Computer Aided Technical Design
- Advanced Computer-Aided Technical Design
- GIS (Geographic Information System) Technician

Term 4

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	Professional Elective: GIS 2045: Intermediate Geographic Information Systems	3	Spring	On-Campus
<input type="checkbox"/>	BCN 2793: Managing Building Construction	3	All	Hybrid, Online
<input type="checkbox"/>	BCN 2405: Introduction to Structures	3	All	Online
<input type="checkbox"/>	ETD 2542: Structural Drafting	3	All	All
<input type="checkbox"/>	Professional Elective	3	Varies	Varies

Term 5

Note: All other program courses should be completed prior to registering for TAR 1942: Internship.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	Professional Elective: GIS 2046: Advanced Geographic Information Systems	3	Spring	On-Campus
<input type="checkbox"/>	ARH 2000: Art in the Humanities or PHI 2010: Philosophy in the Humanities or MUL 2010: Music in the Humanities or LIT 2000: Literature in the Humanities or HUM 2020: Topics in the Humanities or THE 2000: Theatre in the Humanities	3	Varies	Varies
<input type="checkbox"/>	TAR 1942: Internship	3	Fall, Spring	Hybrid, Online
<input type="checkbox"/>	Professional Elective	3	Varies	Varies

Total Program Credit Hours

The Architectural Design and Construction Technology A.S. degree program requires a **minimum of 66 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.

Professional Elective Coursework Options

Professional Elective Coursework required for completion of the GIS Track are included in the recommended roadmap above. Students must complete a **minimum of 3 additional credit hours** from the Professional Elective Coursework Options listed below to fulfill the minimum requirements for the A.S. degree in Architectural Design and Construction Technology.

<input checked="" type="checkbox"/>	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
<input type="checkbox"/>	BCN 2226: Soils and Foundations	3	Fall	On-Campus
<input type="checkbox"/>	BCN 2563: Electrical Systems	2	Spring	On-Campus
<input type="checkbox"/>	BCN 2614: Planning and Estimating	3	Fall	On-Campus
<input type="checkbox"/>	BCN 2721: Construction Scheduling	3	Fall	On-Campus
<input type="checkbox"/>	BCN 2760: Construction Design and Codes	3	Fall	On-Campus
<input type="checkbox"/>	ETD 2350: CAD - Advanced	3	Fall	On-Campus, Online
<input type="checkbox"/>	ETD 2395: CAD - Architectural	3	Fall, Spring	On-Campus, Online
<input type="checkbox"/>	ETD 2536: CAD - Mechanical	3	Fall, Spring	On-Campus, Online
<input type="checkbox"/>	ETD 2551: CAD - Civil	3	Fall	On-Campus, Online