

ENGINEERING GRAPHICS

AAS

Guided Pathway/Map

NOTE: The Guided Pathway below contains all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. *Please refer to your STARS guide or transfer institution for specific course requirements.

	Course #	Course Name	Sem. Hours
Semester 1	ORI101/ ORT100/ ORI105	Orientation to College OR Orientation for Career Students OR Orientation and Student Success	1-3
	Area II	Humanities and Fine Arts Elective	3
	CIS146	Microcomputers Applications	3
	DDT104	Basic Computer-Aided Drafting and Design	3
	DDT111	Fundamentals of Drafting and Design Technology	3
			Semester Total:13 - 15
Semester 2	ENG101	English Composition I	3
	MTH116	MTH 116 or Higher	3
	DDT124	Basic Technical Drawing	3
	DDT127	Intermediate Computer-Aided Drafting and Design	3
	DDT144	Basic 3D Modeling	3
		Eligible for AutoCAD Certification Exam	Semester Total: 15
Semester 3	DDT150	Theory of Residential Drawing and Design	3
	DDT155	Drawing for Residential Construction	4
	DDT216	Design of Structural Wood Members	3
	WKO106	Workplace Skills	3
		Eligible for NOCTI - Architectural Drafting Exam	Semester Total: 13
Semester 4	DDT128	Intermediate Technical Drawing	3
	DDT213	Civil Drafting, Plat Maps	3
	DDT233	Intermediate 3D Modeling	3

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	DDT244	Advanced Modeling	3
		Eligible for Inventor Certification Exam	Semester Total: 12
		ELIGIBLE FOR STACKABLE STC 3D Graphics Technician	
Semester 5	SPH106 OR SPH107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
	AREA III	Math/Science Elective	3-4
	Area IV	History/Social/Behavioral Science Elective	3
	DDT225	Structural Steel Drafting	3
		Eligible for SolidWorks Certification Exam	Semester Total: 12-13
		ELIGIBLE FOR AAS Engineering Graphics	Program Total: 65-68

- All DDT classes (except DDT 111 and DDT 216) require DDT 104 as a pre-requisite.
- DDT 150 and DDT 155 are co-requisites.

ENGINEERING GRAPHICS

STC

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	Course #	Course Name	Sem. Hours
Semester 1	DDT104	Basic Computer-Aided Drafting and Design	3
	DDT111	Fundamentals of Drafting and Design Technology	3
			Semester Total:6
Semester 2	DDT124	Basic Technical Drawing	3
	DDT127	Intermediate Computer-Aided Drafting and Design	3
	DDT144	Basic 3D Modeling	3
		Eligible for AutoCAD Certification Exam ELIGIBLE FOR STACKABLE STC CAD Operator	Semester Total:9
Semester	DDT150	Theory of Residential Drawing and Design	3
	DDT155	Drawing for Residential Construction	4
	DDT213	Civil Drafting, Plat Maps	3
		Eligible for NOCTI - Architectural Drafting Exam	Semester Total:10
		Eligible for STC Engineering Graphics	Program Total: 25

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3D Graphics Technician

STC

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	Course #	Course Name	Sem. Hours
Semester 1	DDT144	Basic 3D Modeling	3
	DDT233	Intermediate 3D Modeling	3
	DDT244	Advanced Modeling	3
		Eligible for Inventor Certification Exam	Semester Total: 9
		Eligible for STC Advanced 3D Graphics Technician	Program Total: 9

ENGINEERING GRAPHICS

Advanced Engineering Draftsman

STC

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	Course #	Course Name	Sem. Hours
Semester 1	DDT213	Civil Drafting, Plat Maps	3
	DDT225	Structural Steel Drafting	3
	DDT244	Advanced Modeling	3
		Eligible for SolidWorks Certification Exam	Semester Total:9
		Eligible for STC Advanced Engineering Draftsman	Program Total: 9

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Architectural Graphics Technician

STC

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	Course #	Course Name	Sem. Hours
Semester 1	DDT150	Theory of Residential Drawing and Design	3
	DDT155	Drawing for Residential Construction	4
	DDT216	Design of Structural Wood Members	3
		Eligible for NOCTI - Architectural Drafting Exam	Semester Total:10
		Eligible for STC Architectural Graphics Technician	Program Total: 10

ENGINEERING GRAPHICS

CAD Operator

STC

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	Course #	Course Name	Sem. Hours
Semester 1	DDT104	Basic Computer-Aided Drafting and Design	3
	DDT111	Fundamentals of Drafting and Design Technology	3
			Semester Total:6
Semester 2	DDT124	Basic Technical Drawing	3
	DDT127	Intermediate Computer-Aided Drafting and Design	3
		Eligible for AutoCAD Certification Exam	Semester Total:6
		Eligible for STC CAD Operator	Program Total: 12