

# ENGINEERING GRAPHICS

## AAS

### Guided Pathway/Map

**NOTE:** The Guided Pathway below contain 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 OR ORT100 OR ORI105	Orientation to College OR Orientation for Career Students OR Orientation and Student Success	1-3
	CIS146	Microcomputers Applications	3
	Area II	Humanities and Fine Arts Elective	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
		<b>Eligible for AutoCAD Certification Exam</b>	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
		<b>Eligible for NOCTI - Architectural Drafting Exam</b>	Semester Total: 13
Semester 4	DDT128	Intermediate Technical Drawing	3
	DDT213	Civil Drafting, Plat Maps	3
	DDT233	Intermediate 3D Modeling	3
	DDT244	Advanced Modeling	3

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		<b>Eligible for Inventor Certification Exam</b> <b>ELIGIBLE FOR STACKABLE STC</b> <b>3D Graphics Technician</b>	Semester Total: 12
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
		<b>Eligible for SolidWorks Certification Exam</b>	Semester Total: 12-13
		<b>ELIGIBLE FOR AAS</b> <b>Engineering Graphics</b>	Program Total: 65-68

- All DDT classes (except DDT 111 and DDT 216) requires the student to have already taken DDT 104.
- DDT 150 and DDT 155 are co-requisites.

# ENGINEERING GRAPHICS

## Certificate

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	Course #	Course Name	Sem. Hours
Semester 1	ORI101 OR ORT 100	Orientation to College OR Orientation for Career Students	1
	CIS146	Microcomputers Applications	3
	DDT104	Computer-Aided Drafting and Design	3
	DDT111	Fundamentals of Drafting and Design Technology	3
			Semester Total:10
Semester 2	ENG101	English Composition I	3
	MTH 116	Mathematics Applications or Higher	3
	DDT124	Basic Technical Drawing	3
	DDT127	Intermediate Computer-Aided Drafting and Design	3
	DDT144	Basic 3D Modeling	3
		<b>Eligible for AutoCAD Certification Exam</b>  <b>ELIGIBLE FOR STACKABLE STC CAD Operator</b>	Semester Total: 15
Semester 3	SPH106 OR SPH107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
	DDT150	Theory of Residential Drawing and Design	3
	DDT155	Drawing for Residential Construction	4
	WKO106	Workplace Skills	3
			Semester Total: 13
Semester 4	DDT128	Intermediate Technical Drawing	3
	DDT213	Civil Drafting, Plat Maps	3

# ENGINEERING GRAPHICS

## Certificate

	DDT225	Structural Steel Drafting	3
	DDT233	Intermediate 3D Modeling	3
		<b>Eligible for NOCTI - Architectural Drafting Exam</b> <b>Eligible for STC</b> <b>Engineering Graphics</b>	Semester Total: 12
		<b>Eligible for Certificate</b> <b>Engineering Graphics</b>	Program Total: 50

# ENGINEERING GRAPHICS

## STC

### Guided Pathway/Map

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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
		<b>Eligible for AutoCAD Certification Exam</b> <b>ELIGIBLE FOR STACKABLE STC CAD Operator</b>	Semester Total:9
Semester	DDT150	Theory of Residential Drawing and Design	3
	DDT155	Drawing for Residential Construction	4
	DDT213	Civil Drafting, Plat Maps	3
		<b>Eligible for NOCTI - Architectural Drafting Exam</b>	Semester Total:10
		<b>Eligible for STC Engineering Graphics</b>	Program Total: 25

# ENGINEERING GRAPHICS

## 3D Graphics Technician

### STC

#### Guided Pathway/Map

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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
		<b>Eligible for Inventor Certification Exam</b>	Semester Total: 9
		<b>Eligible for STC Advanced 3D Graphics Technician</b>	<b>Program Total: 9</b>

# ENGINEERING GRAPHICS

## Advanced Engineering Draftsman

### STC

#### Guided Pathway/Map

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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
		<b>Eligible for SolidWorks Certification Exam</b>	Semester Total:9
		<b>Eligible for STC Advanced Engineering Draftsman</b>	Program Total: 9

# ENGINEERING GRAPHICS

## Architectural Graphics Technician

### STC

#### Guided Pathway/Map

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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
		<b>Eligible for NOCTI - Architectural Drafting Exam</b>	Semester Total:10
		<b>Eligible for STC Architectural Graphics Technician</b>	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