

## Amarillo College Curriculum Map Template

<b>Division:</b>	STEM
<b>Degree/Academic Program(s):</b>	Engineering (ENGR.AS.GEN)
<b>Dean:</b>	Edie Carter
<b>Chair/Director/Coordinator:</b>	Penelope Davies (Chair)
<b>Submission Date:</b>	3/2022
<b>Purpose Statement:</b>	The Engineering Department is dedicated to providing students with a sound foundation in engineering in order to successful complete a bachelor’s degree at a transfer university or college.

**Goal 1:** To graduate students who demonstrate content knowledge and skills from several foundational areas of engineering.

Program-Specific Courses	<b>PLO #1:</b> Students will solve problems by identifying core concepts of Statics	<b>PLO #2:</b> Students will solve problems by identifying core concepts of Dynamics	<b>PLO #3:</b> Students will solve problems by identifying core concepts of Electrical Circuits	<b>PLO #4:</b> Students will solve by identifying core concepts of Mechanics of Materials	<b>PLO #5:</b> Students will be able to make appropriate use of technology solving engineering problems	<b>PLO #6:</b> Students will use concepts learned from the course to create a functioning project or service in a team-based project
ENGR 1201			I		I	I, D
ENGR 1304					D	D
ENGR 2301	I, D				D	D
ENGR 2302	D	I, D			D	M
ENGR 2304					D	D
ENGR 2305			I		D	D
ENGR 2332	D		I	I, D	D	D, M

I = Introduced; D = Developed & Practiced with Feedback; M = Demonstrated at Mastery