



Transfer Plans

2025-2026



Associate of Science in General Studies

Bachelor of Science with a Major in Petroleum Engineering

The following is a suggested two-year transfer plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. In addition, students are responsible for meeting with their academic advisor for additional requirements to transfer to TAMIU.

1ST SEMESTER			SCH	Notes
LC	ENGL 1301	Composition I (010)	3	
	ENGR 1201	Introduction to Engineering	2	
	COSC 1436	Programming Fundamentals I (090)	4	(TR)
	MATH 2413	Calculus I (020)	4	(TR)
		Creative Arts (050)	3	
			16	

2ND SEMESTER			SCH	Notes
LC	ENGL 1302	Composition II (010)	3	
	MATH 2414	Calculus II	4	
	ENGR 1304	Engineering Graphics	3	
	HIST 1301	United States History I (060)	3	
	PHYS 2325	University Physics I (030)	3	
	PHYS 2125	University Physics I Lab	1	
			17	

SUMMER			SCH	Notes
LC		Language, Philosophy and Culture (040)	3	
		Social and Behavioral Sciences (080)	3	
			6	

3RD SEMESTER			SCH	Notes
LC	GOVT 2305	Federal Government (070)	3	
	PHYS 2326	University Physics II (030)	3	
	PHYS 2126	University Physics II Lab	1	
	ENGR 2301	Engineering Mechanics I Statics	3	
	MATH 2415	Calculus III	4	
			14	

4TH SEMESTER			SCH	Notes
TAMIU/LC	HIST 1302	United States History II (060)	3	
	GOVT 2306	Texas Government (070)	3	
		Component Area Option (090)	3	(EC)
	ENGR 2390	Mechanics of Materials	3	(TC)
	GEOL 3420	Petroleum Geology	4	(TC)
			16	

SUMMER			SCH	Notes
TAMIU/LC	CHEM 1311	General Chemistry I	3	
	CHEM 1111	General Chemistry I-Lab	1	
			4	

SUMMER			SCH	Notes
TAMIU	ENGR 2305	Principles of Elec Engineering	3	
	ENGR 2105	Principles of Elec Engr Lab	1	
			4	

5TH SEMESTER			SCH	Notes
TAMIU	ENGL 2311	Technical Communication-WIN	3	
	ENGR 2103	Statics & Dynamics Lab	1	
	ENGR 2360	Thermodynamics & Fluid Mech	3	
	PETE 3310	Petrophysics	3	
	PETE 3110	Petrophysics Lab	1	
	PETE 3311	Well Log & Formation Eval	3	
	PETE 3111	Well Log & Formation Eval Lab	1	
			15	

6TH SEMESTER			SCH	Notes
TAMIU	ENGR 2372	Engineering Statistics	3	
	PETE 3301	Drilling Engineering I	3	
	PETE 3101	Drilling Engineering I Lab	1	
	PETE 3307	Reservoir Engineering I	3	
	PETE 3320	Petroleum Production Eng I	3	
	PETE 3120	Petroleum Production Eng I Lab	1	
			14	

7TH SEMESTER			SCH	Notes
TAMIU	MATH 3330	Ordinary Diff Equations	3	
	PETE 3330	Reservoir Fluids	3	
	PETE 4190	Senior Design I	1	
	PETE 4321	Petroleum Production Eng. II	3	
	PETE 4382	Reserv Modeling & Simulation	3	
			13	

8TH SEMESTER			SCH	Notes
TAMIU	ENGR 3300	Engineering Economics	3	
	PETE 4290	Senior Design II	2	
	PETE 4370	Well Testing	3	
	PETE	Advanced Elective	3	
			11	

Total SCH Required for Degree 129

Important Details to Remember
Extra credit (EC) - Courses noted with (EC) do not apply when transferring to TAMIU – 1 SCH 090.
TAMIU Requirement (TR) - Courses noted with (TR) are additional TAMIU requirements.
TAMIU Course (TC) - Course may be taken at TAMIU.
Total SCH required for degree 129 - additional 1 SCH taken at LC.
LC Degree Plan: <https://www.laredo.edu/Academic-Career-Pathways/science-technology-engineering-mathematics/as-general-studies.html>
TAMIU Degree Plan: <https://catalog.tamiu.edu/undergraduate-information/arts-sciences/engineering/bachelor-science-major-petroleum-engineering-bs/>