


**Associate of Science in Engineering to BS in  
 Electrical Engineering**

FALL YEAR 1 AT PJC	SCH	TRANSFER TO TAMUT AS	SCH
ENGL 1301 – Composition I (010)	3	ENGL 1301 – Composition 1	3
MATH 2413 – Calculus I (020)	4	MATH 2413 – Calculus I	4
HIST 1301 – United States History I (060)	3	HIST 1301 – United States History I	3
CHEM 1411 – General Chemistry I (030)	4	CHEM 1411 – General Chemistry I	4
EDU/PSYC 1300 – Learning Framework	3	Elective	3
<b>TOTAL SEMESTER HRS</b>	<b>17</b>	<b>TOTAL SEMESTER HRS</b>	<b>17</b>
SPRING YEAR 1 AT PJC	SCH	TRANSFER TO TAMUT AS	SCH
ENGL 1302 – Composition II (010)	3	ENGL 1302 – Composition II	3
MUSI 1306 – Music Appreciation (050)	3	Creative Arts Core	3
HIST 1302 – United States History II (060)	3	HIST 1302 – United States History II	3
MATH 2414 – Calculus II	4	MATH 2414 – Calculus II	4
ECON 2301 – Principles of Macroeconomics (080)	3	ECON 2301 – Principles of Macroeconomics	3
<b>TOTAL SEMESTER HRS</b>	<b>16</b>	<b>TOTAL SEMESTER HRS</b>	<b>16</b>
FALL YEAR 2 AT PJC	SCH	TRANSFER TO TAMUT AS	SCH
MATH 2415 – Calculus III	4	MATH 2415 – Calculus III	4
<del>COSC 1336</del> – Sub. With ENGR 2304 – Programming for Engineers	3	ENGR 2304 – Programming for Engineers	3
GOVT 2305 – Federal Government (070)	3	PSCI 2305 – U.S. Government and Politics	3
PHYS 2425 – University Physics I (030)	4	PHYS 2425 – University Physics I	4
<b>TOTAL SEMESTER HRS</b>	<b>14</b>	<b>TOTAL SEMESTER HRS</b>	<b>14</b>
SPRING YEAR 2 AT PJC	SCH	TRANSFER TO TAMUT AS	SCH
MATH 2320 – Differential Equations	3	MATH 2320 – Differential Equations	3
HIST 2321 – World Civilization I (040)	3	HIST 2321 – World Civilization I	3
GOVT 2306 – Texas Government (070)	3	PSCI 2306 – State and Local Government	3
PHYS 2426 – University Physics II	4	PHYS 2425 – University Physics II	4
<b>TOTAL SEMESTER HRS</b>	<b>13</b>	<b>TOTAL SEMESTER HRS</b>	<b>13</b>
<b>TOTAL ASSOCIATE DEGREE HOURS</b>	<b>60</b>	<b>TOTAL TRANSFER HOURS</b>	<b>60</b>
JUNIOR YEAR FALL SEMESTER	SCH	JUNIOR YEAR SPRING SEMESTER	SCH
ENGR 2305 – Electric Circuits I	3	UD Prescribed Electrical Engineering Elective (300-400 EE or ENGR)	3
ENGR 2105 – Circuit Laboratory	1	EE 325 – Signals and Systems	3
MATH 2318 – Linear Algebra	3	EE 326 – Signals and Systems Lab	1
ENGR 1201 – Introduction to Engineering	2	EE 335 – Electronics I	3
EE 307 – Probability and Random Processes	3	EE 336 – Electronics Laboratory	1
EE 321 – Digital Logic	3	EE 345 – Introduction to Electromagnetic Theory	3
EE 322 – Digital Logic Laboratory	1		
<b>TOTAL SEMESTER HRS</b>	<b>16</b>	<b>TOTAL SEMESTER HRS</b>	<b>14</b>
SENIOR YEAR FALL SEMESTER	SCH	SENIOR YEAR SPRING SEMESTER	SCH
EE 429 – Basic Communication Theory	3	EE 474 – Power Systems Analysis and Control	3
EE 319 – Electric Circuits II	3	EE 491 – EE Senior Design II	3
EE 445 – Embedded Systems	3	EE 432 – Control Systems	3
EE 446 – Embedded Systems Lab	1	UD Prescribed Electrical Engineering Elective (300-400 EE or ENGR)	3
EE 490 – EE Senior Design I	3	UD Prescribed Electrical Engineering Elective (300-400 EE or ENGR)	3
EE 305 – Fundamentals of Power Systems	3	ENGR 312 – Engineering and Business Ethics	3
EE 306 – Electric Power and Machinery Lab	1		
<b>TOTAL SEMESTER HRS</b>	<b>17</b>	<b>TOTAL SEMESTER HRS</b>	<b>18</b>
<b>TOTAL DEGREE HOURS WITH TAMUT</b>	<b>65</b>	<b>TOTAL BACHELOR DEGREE HOURS</b>	<b>125</b>

All courses are transferable; however, all transferred courses may not apply to your degree plan. Please see your community college advisor for details. All students seeking a bachelor's degree must also complete a minimum of 45 SCH of upper-division course work. Some degrees require up to 54 SCH for an undergraduate degree. Please visit the [catalog](#) for course descriptions. **The Eagle Track Transfer Pathway is NOT an official degree plan.** This document is effective 09-26-2024.