


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

FALL YEAR 1 AT PJC	SCH	TRANSFER TO TAMUT AS	SCH
ENGL 1301 – Composition I	3	ENGL 1301 – Composition 1	3
MATH 2413 – Calculus I	4	MATH 2413 – Calculus I	4
HIST 1301 – United States History I	3	HIST 1301 – United States History I	3
CHEM 1411 – General Chemistry I	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	3	ENGL 1302 – Composition II	3
MUSI 1306 – Music Appreciation	3	Creative Arts Core	3
HIST 1302 – United States History II	3	HIST 1302 – United States History II	3
MATH 2414 – Calculus II	4	MATH 2414 – Calculus II	4
ECON 2301 – Principles of Macroeconomics	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 w/ENGR 2304 – Programming for Engineers	3	ENGR 2304 – Programming for Engineers	3
GOVT 2305 – Federal Government	3	PSCI 2305 – U.S. Government and Politics	3
PHYS 2425 – University Physics I	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	3	HIST 2321 – World Civilization I	3
GOVT 2306 – Texas Government	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 1201 – Introduction to Engineering	2	MEEN 302 – Engineering Mechanics II – Dynamics	3
MEEN 301 – Engineering Mechanics I - Statics	3	MEEN 305 – Materials Science & Engineering	3
MEEN 357- Engineering Analysis for Mechanical Engineers	3	MEEN 343 – Mechanics of Materials	3
MEEN 333 – Principles of Thermodynamics	3	MEEN 360 – Manufacturing & Materials Selection in Design	3
MEEN 340 – Fluid Mechanics	3	MEEN 361 – Manufacturing & Materials Selection in Design Lab	1
MEEN 341 – Fluid Mechanics Lab	1	UD Elective (300 or 400 level) MEEN/ENGR except ENGR 315	3
EE 2305 – Electric Circuits I	3		
<b>TOTAL SEMESTER HRS</b>	<b>18</b>	<b>TOTAL SEMESTER HRS</b>	<b>16</b>
SENIOR YEAR FALL SEMESTER	SCH	SENIOR YEAR SPRING SEMESTER	SCH
MEEN 368 – Solid Mechanics in Mechanical Design	3	MEEN 404 – Project Management & Engineering Operations	3
ENGR 440 – Computer Aided Design of Mechanical Components	3	MEEN 364 – Control Systems	3
MEEN 461 – Heat Transfer	3	MEEN 491 – Senior Design II	3
MEEN 462 – Heat Transfer Lab	1	UD Elective (300 or 400 level) MEEN/ENGR except ENGR 315	3
MEEN 490 – Senior Design I	3	UD Elective (300 or 400 level) MEEN/ENGR except ENGR 315	3
MEEN 363 – Dynamics and Vibrations	3		
<b>TOTAL SEMESTER HRS</b>	<b>16</b>	<b>TOTAL SEMESTER HRS</b>	<b>15</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.