

Program for Transfer Admission – Major Coursework Check Sheet



**\*\*\*The content of this document is specific to PTA and not general academic information\*\*\***

College of Arts & Sciences

Departmental Contact Information: Jill Lyster, math-advising@tam.u.edu

Major: Applied Mathematics

Website: [math.tam.u.edu](http://math.tam.u.edu)

**To qualify for automatic admission through PTA, a student must:**

- Students **MUST** graduate high school before they are eligible to sign up for PTA
- Complete 30 consecutive hours after high school graduation in residency at any Texas community college or a combination of Texas community colleges
- Complete all required coursework shown below in bold italics with a grade of B or better
  - A grade of B or better must be earned on the first attempt
- Maintain a minimum 3.2 cumulative GPA (including graded, transferable credit earned in high school)
- Attend a mandatory meeting with a Texas A&M admissions counselor and follow **ALL** PTA [guidelines](#)
- Submit all other [required documents](#) (application fee, transcripts, essay, etc.) by the appropriate deadline for admission to Texas A&M University

Required Coursework for PTA				
Course Title	Credits	TCCNS Course #	TAMU Course #	Notes
<b><i>Engineering Math I</i></b>	<b><i>4</i></b>	<b><i>MATH 2413</i></b>	<b><i>MATH 151</i></b>	<b><i>Must Complete with a B or better</i></b>
<b><i>Engineering Math II</i></b>	<b><i>4</i></b>	<b><i>MATH 2414</i></b>	<b><i>MATH 152</i></b>	<b><i>Must Complete with a B or better</i></b>
<b><i>Approved Life and Physical Sciences Electives</i></b>	<b><i>8</i></b>	<b><i>Select from: CHEM 1411 (1311/1111) CHEM 1412 (1312/1112) BIOL 1406 (1306/1106) BIOL 1407 (1307/1107) PHYS 1403 (1303/1103) PHYS 2425 PHYS 2426</i></b>	<b><i>Select from: CHEM 119 CHEM 120 BIOL 111 BIOL 112 ASTR 111 PHYS 206/226 PHYS 207/227</i></b>	<b><i>Must Complete with a B or better</i></b>

Recommended Coursework for PTA				
Course Title	Credits	TCCNS Course #	TAMU Course #	Notes
Composition and Rhetoric	3	ENGL 1301 or 1302	ENGL 103 or 104	
C Programming	4	COSC 1420	CSCE 206	
Engineering Math III	3-4	MATH 2315 or 2415	MATH 251 or 253	
Physics I	4	PHYS 2425 (2325/2125)	PHYS 206/226	
Communication	3	SPCH 1315 or 2335	COMM 203 or 243	
Economics	3	ECON 2302 or 2301	ECON 202 or 203	
Government / Political Science	6	GOVT 2305 & 2306	POLS 206 & 207	
American History	6	HIST 1301 & 1302	HIST 105 & 106	
Language, Philosophy and Culture	3			See <a href="http://core.tam.u.edu">core.tam.u.edu</a> for options
Creative Arts	3			See <a href="http://core.tam.u.edu">core.tam.u.edu</a> for options
International and Cultural Diversity	3			See <a href="http://core.tam.u.edu">core.tam.u.edu</a> for options
Cultural Discourse	3			See <a href="http://core.tam.u.edu">core.tam.u.edu</a> for options

*We have endeavored to make this major coursework check sheet error free. All listings are based on the 2025-2026 [Texas A&M University Undergraduate Catalog](#). The catalog is the final word if a discrepancy appears.*