

Program for System Admission  
Degree Plan



College Of Science  
Applied Mathematical Sciences

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Website: [math.tamu.edu](http://math.tamu.edu)

Required Coursework				
Course Title	Credits	TCCNS Course #	TAMU Course #	Notes
<i>Engineering Math I</i>	<b>4</b>	<b>MATH 2413</b>	<b>MATH 151</b>	<i>Must complete with a B or better</i>
<i>Engineering Math II</i>	<b>4</b>	<b>MATH 2414</b>	<b>MATH 152</b>	<i>Must complete with a B or better</i>
<i>Approved Science Elective</i>	<b>4</b>	<b>Select from: CHEM 1411 (1311/1111), CHEM 1412 (1312/1112), BIOL 1406 (1306/1106), BIOL 1407 (1307/1107), OR PHYS 1403 (1303/1103)</b>	<b>Select from: CHEM 119, CHEM 120, BIOL 111, BIOL 112, OR ASTR 111</b>	<i>Must complete with a B or better</i>
<i>Approved Science Elective</i>	<b>4</b>	<b>Select from: CHEM 1411 (1311/1111), CHEM 1412 (1312/1112), BIOL 1406 (1306/1106), BIOL 1407 (1307/1107), OR PHYS 1403 (1303/1103)</b>	<b>Select from: CHEM 119, CHEM 120, BIOL 111, BIOL 112, OR ASTR 111</b>	<i>Must complete with a B or better</i>

Additional Coursework To Be Selected From				
Course Title	Credits	TCCNS Course #	TAMU Course #	Notes
English Composition	3	ENGL 1301 or 1302	ENGL 103 or 104	Only one of these is needed.
Engineering Math III	3 or 4	MATH 2315 or 2415	MATH 251 or 253	
Physics (Mechanics)	4	PHYS 2425	PHYS 206 & 226	Alternative: PHYS 2325+2125
Physics (Electricity and Optics)	4	PHYS 2426	PHYS 207 & 227	Alternative: PHYS 2326+2126
Computer Science Elective	4	COSC 1420	Select from: CSCE 110, 111, 121, or 206	
Communication Elective	3	Select from: SPCH 1315 or SPCH 2335	Select from: COMM 203, 205, or 243	
Economics	3	ECON 2302	ECON 202	
Political Science	3	GOVT 2305	POLS 206	
Political Science	3	GOVT 2306	POLS 207	
US History I	3	HIST 1301	HIST 105	
US History II	3	HIST 1302	HIST 106	
Language, Philosophy and Culture Elective	3			See <a href="http://core.tamu.edu">core.tamu.edu</a> for options.
Creative Arts Elective	3			See <a href="http://core.tamu.edu">core.tamu.edu</a> for options.

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

- Complete all courses shown in bold italics
- Complete at least 24 hours (fall/spring semesters) in residence at a single Texas A&M system institution
- Maintain a minimum 3.0 cumulative GPA at the system institution
- Maintain a minimum 3.0 cumulative GPA overall (including graded, transferable credit earned in high school)

*We have endeavored to make this degree plan error free. All listings are based on the 2021-22 Texas A&M University Undergraduate Catalog, Edition 144. The catalog is the final word if a discrepancy appears between this degree plan and the catalog.*