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Transfer Plans

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2025-2026



Associate of Science in General Studies

Bachelor of Science with a Major in Computer 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 | |

| 3RD SEMESTER | | | SCH | Notes |
|--------------|-----------|--------------------------------|-----|-------|
| LC | GOVT 2305 | Federal Government (070) | 3 | |
| | COSC 1437 | Programming Fundamentals II | 4 | |
| | ENGL 2311 | Technical and Business Writing | 3 | |
| | CHEM 1311 | General Chemistry I (030) | 3 | |
| | CHEM 1111 | General Chemistry I Lab | 1 | |
| | | | 14 | |

| 4TH SEMESTER | | | SCH | Notes |
|--------------|-----------|--|-----|-------|
| LC | HIST 1302 | United States History II (060) | 3 | |
| | GOVT 2306 | Texas Government (070) | 3 | |
| | | Social and Behavioral Sciences (080) | 3 | |
| | | Language, Philosophy and Culture (040) | 3 | |
| | | Component Area Option (090) | 3 | (EC) |
| | | | 15 | |

| 5TH SEMESTER | | | SCH | Notes |
|--------------|-----------|--------------------------------|-----|-------|
| TAMIU | ENGR 2305 | Principles of Elec Engineering | 3 | |
| | ENGR 2105 | Principles of Elec Engr Lab | 1 | |
| | MATH 2415 | Calculus III | 4 | |
| | MATH 3365 | Discrete Mathematics | 3 | |
| | CSCE 2330 | Digital Logic Design | 3 | |
| | CSCE 3301 | Algorithms & Data Structures | 3 | |
| | | | 17 | |

| 6TH SEMESTER | | | SCH | Notes |
|--------------|-----------|--------------------------------|-----|-------|
| TAMIU | MATH 3310 | Introduction to Linear Algebra | 3 | |
| | MATH 3330 | Ordinary Diff Equations | 3 | |
| | ENGR 2372 | Engineering Statistics | 3 | |
| | CSCE 3314 | Electronic Devices & Apps | 3 | |
| | CSCE 3340 | Microprocessor Systems | 3 | |
| | | | | |
| | | | 15 | |

| 7TH SEMESTER | | | SCH | Notes |
|--------------|-----------|-------------------------------|-----|-------|
| TAMIU | ENGR 3300 | Engineering Economics | 3 | |
| | CSCE 3320 | Signals and Systems | 3 | |
| | CSCE 4300 | Dig Electronic Circuit Design | 3 | |
| | CSCE 4301 | Software Engineering | 3 | |
| | CSCE 4320 | Computer System Architecture | 3 | |
| | CSCE 4380 | Senior Design I-WIN | 3 | |
| | | | 18 | |

| 8TH SEMESTER | | | SCH | Notes |
|--------------|-----------|-------------------------------|-----|-------|
| TAMIU | CSCE 3335 | Networks & Data Communication | 3 | |
| | CSCE 3345 | Robotics and Automation | 3 | |
| | CSCE 4315 | Embedded Systems | 3 | |
| | CSCE 4326 | Operating Systems | 3 | |
| | CSCE 4390 | Senior Design II | 3 | |
| | CSCE | Advanced Elective | 3 | |
| | | | 18 | |

Total SCH Required for Degree 129

Important Details to Remember

Extra credit (EC) - Courses noted with (EC) do not apply when transferring to TAMIU – 1SCH from 090.
TAMIU Requirement (TR) - Courses noted with (TR) are additional TAMIU requirements.
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-computer-engineering-bs/>