



Associate of Science in Physics
 Bachelor of Science in Physics^T
Guided Pathway
 Effective for the 2019-2020 Catalog



First Year – Paris Junior College

FIRST SEMESTER	SECOND SEMESTER
CHEM 1411 – General Chemistry I	COSC 1336 – Programming Fundamentals I
EDUC/PSYC 1300 – Learning Framework	^C ENGL 1302 - Composition II (010)
^C ENGL 1301 – Composition I (010)	^C HIST 1302 – United States History II (060)
^C HIST 1301 – United States History I (060)	^C MATH 2414 - Calculus II (090)
^C MATH 2413 – Calculus I (020)	^C MUSI 1306 – Music Appreciation (050)
Total Semester Hours: 17	Total Semester Hours: 16

Second Year – Paris Junior College

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
^C ECON 2301 – Principles of Macroeconomics (080)	^C GOVT 2306 – Texas Government (070)
^C GOVT 2305 – Federal Government (070)	^C HIST 2321 – World Civilizations I (040)
MATH 2415 – Calculus III	MATH 2320 – Differential Equations
^C PHYS 2425 – University Physics I (030)	^C PHYS 2426 – University Physics II (030)
Total Semester Hours: 14	Total Semester Hours: 13

AS: Physics

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

These courses may be taken at Paris Junior College or TSU

^C Communication Core Elective	General Elective
Support Field Elective ⁺	Support Field Elective ⁺
Support Field Elective ⁺	Support Field Elective ⁺

Total Semester Hours: 18

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
PHYS 3331 – Mechanics I (Fall Only)	PHYS 3334 – Modern Physics I
PHYS 3332 – Electromagnetic Field Theory (Fall Only)	PHYS 4330 – Mathematical Methods for Physics and Engineering (Spring Only)
MATH 3306 – Differential Equations	PHYS 4340 – Advanced Physics Lab (Spring Only)
MATH 3433 – Calculus III	Advanced Support Field Elective ⁺

Total Semester Hours: 13

Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
PHYS 4335 – Quantum Physics (Fall Only)	PHYS 4337 – Nuclear Physics (Spring Only)
PHYS 4161 – Physics Research Project (Fall Only)	PHYS 4162 – Physics Research Seminar (Spring Only)
PHYS 3333 – Thermodynamics (Fall Only)	Advanced Physics Elective
Advanced Physics Elective	Advanced Support Field Elective ⁺

Total Semester Hours: 10

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TOTAL: 123

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

* You may take a different course to meet this requirement. A specific list is available from your advisor.

^C This course counts for the Core Curriculum at any public college or university in Texas.

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.