PHYSICS

Physics is the science that investigates and tries to understand the basic laws of nature. In this pursuit, it deals with the entire range of natural phenomena from the smallest domain of sub-nuclear particles to the largest domain of distant objects in the universe. This breadth of interests is reflected in the type of work pursued by physicists. Some are interested in research on problems that are at the frontiers of knowledge. Some apply this newly acquired knowledge to make practical advances in fields like engineering. Still others use the knowledge of physics as a basis for careers in medicine, law, teaching or administration. For students interested in teaching, secondary (grades 8-12) certification in either Physical Science or Math/Physics is also available.

THE BACHELOR OF SCIENCE DEGREE IN PHYSICS

	Semester Hours
University Core Curriculum	47

See pp. 47-48 for additional information about the Tarleton State University core curriculum requirements. See your academic advisor for assistance in selecting specific courses to satisfy these core curriculum requirements. **See p. 402 for course descriptions in PHYS.**

Courses Required for BS in Physics

PHYS 122,[1] 242[1], 331, 332, 333, 334, 430, 435	26
MATH 120[1], 209, 306, 333	15
PHYS electives, 6 hours advanced	9

Additional Required Courses

For BS in Physics (without certification)

Supporting field, 9 hours advanced	26
Electives, 6 hours advanced	10
Approved C S elective	3
Math 332	3

For BS in Physics with Teacher Certification, Physical Science (8-12)

EDU 330, 335, 430, 435, 490, PSY 220 or 303, RDG 351	24
PHYS 404	3
ENGL 309	3
CHEM 105, 108, 201, 486	13

For BS in Physics with Teacher Certification, 8-12 Mathematics/Physics

MATH 302, 311	6
PHYS 404 or MATH 404	3
Elective	3
EDU 330, 335, 430, 435, 490, PSY 220 or 303, RDG 351	24
Approved C S elective	3
ENGL 309	3

[1] May be used to satisfy university core curriculum requirements.