



PHYSICS CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	SEMESTERS OFFERED	CREDIT HOURS
<input type="checkbox"/>	1. <i>BCIS 1305 Business Computer Applications+ or COSC 1336 Programming Fund. I *</i>	F, Sp, Su	3
<input type="checkbox"/>	2. CHEM 1411 General Chemistry I **	F, Sp, Su	4
<input type="checkbox"/>	3. ENGL 1301 Composition I	F, Sp, Su	3
<input type="checkbox"/>	4. HIST 1301 US History I	F, Sp, Su	3
<input type="checkbox"/>	5. MATH 2412 Pre-Calculus !	F, Sp, Su	4
			17 hours
<input type="checkbox"/>	6. CHEM 1412 General Chemistry II **	Sp, Su	4
<input type="checkbox"/>	7. HIST 1302 US History II	F, Sp, Su	3
<input type="checkbox"/>	8. MATH 2413 Calculus I	F, Sp, Su	4
<input type="checkbox"/>	9. ECON 2301 Principles of Macroeconomics*	F, Sp, Su	3
			31 hours
<input type="checkbox"/>	10. ENGL 1302 Composition II OR ENGL 2311 Technical Writing	F, Sp, Su	3
<input type="checkbox"/>	11. GOVT 2305 Federal Government	F, Sp, Su	3
<input type="checkbox"/>	12. HIST 2321 World Civilizations I*	F, Sp, Su	3
<input type="checkbox"/>	13. MATH 2414 Calculus II	F, Sp, Su	4
<input type="checkbox"/>	14. PHYS 2425 University Physics I **	F, Sp	4
			48 hours
<input type="checkbox"/>	15. GOVT 2306 Texas Government	F, Sp, Su	3
<input type="checkbox"/>	16. MATH 2415 Calculus III	Sp	4
<input type="checkbox"/>	17. MUSI 1306 Music Appreciation*	F, Sp, Su	3
<input type="checkbox"/>	18. PHYS 2426 University Physics II **	F, Sp	4
<input type="checkbox"/>	19. SPCH 1315 Public Speaking*	F, Sp, Su	3
	*** ASSOCIATE OF SCIENCE DEGREE EARNED *** NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.		65 hours
<input type="checkbox"/>	20. MATH 2320 Differential Equations**	Su	3
			68 hours

READ ALL NOTES CAREFULLY:

- * Refer to Core Curriculum and KC Catalog for all possible course options.
- ** [Chemistry and Physics courses have corequisite laboratory classes]
- + Computer Competency Requirement must be met in order to earn an AS Degree. [Click Here For Computer Competency Information](#)
- ! MATH 1314 (College Algebra) is a pre-requisite for this course. Approval is needed to begin in MATH 2412.
- a) Courses in **bold** have a pre-requisite (previous course required).
- b) Courses in *italics* can be taken in any order.
- c) ENGL 1301 and the first MATH class may require a co-requisite and/or developmental course depending on TSI Scores.
- d) Refer to KC Catalog for AS Degree Requirements.

CAREER OPPORTUNITIES

Laboratory Technician, Quality Control/Quality Assurance, Research Associate, Laboratory Manager

ADVANCED DEGREE/CREDENTIAL OPPORTUNITIES

Bachelor of Science in Physics, Astronomy, Engineering, or Mathematics

LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

Univ. of Texas – Austin, Physics Department (<https://ph.utexas.edu/>)

Univ. of North Texas, Denton TX (<http://physics.unt.edu/>)

Texas Tech University Department of Physics and Astronomy (<http://www.depts.ttu.edu/phas/>)

American Institute of Physics (www.aip.org)

American Physical Society (www.aps.org)

American Association of Physics Teachers (www.aapt.org)

CONTACT INFORMATION

Joe Kirchhoff, Ph.D.
Lead Physics Instructor
CANTR 335
903-983-8646
jkirchhoff@kilgore.edu

Brandon Walker
Department Chair
CANTR 209
903-988-7509
bwalker@kilgore.edu

Alex Knox
Academic Advisor
Old Main 124
903-983-8185
aknox@kilgore.edu

Rhonda Heinsohn
Academic Advisor
Old Main 126
903-983-8122
rheinsohn@kilgore.edu