



CIT – SOFTWARE DEVELOPMENT CAREER PATHWAY MAP

✓	RECOMMENDED COURSE SEQUENCE	General Ed. Area shown on page 2	SEMESTERS OFFERED	MY PLAN (Semester and Year)	CREDIT HOURS
<input type="checkbox"/>	1. ITSC1301 Intro to Computers		F, SP		3
<input type="checkbox"/>	2. ITSC1309 or BCIS1305		F, SP, SU		3
<input type="checkbox"/>	3. MATH1314 or MATH1324 **	GE NS&M @	F, SP, SU		3
<input type="checkbox"/>	4. ITSY1342 Info Tech Security		F, SP		3
<input type="checkbox"/>	5. ITSE1359 Scripting Lang (16 wks)		F, SP		3
					<i>15 hours</i>
<input type="checkbox"/>	6. COSC1436 Programming 1		F, SP		4
<input type="checkbox"/>	7. ITSC1305 Intro to PC Op Systems		F, SP		3
<input type="checkbox"/>	8. ITSW2337 Adv Database		F, SP		3
<input type="checkbox"/>	9. COSC1437 Programming 2		F, SP		4
<input type="checkbox"/>	10. ITSC1315 IT Proj Mgmt (16 wks)		F, SP		3
	*** SOFTWARE SUPPORT CERTIFICATE EARNED ***				<i>32 hours</i>
<input type="checkbox"/>	11. ITSE2313 Web Authoring		F		3
<input type="checkbox"/>	12. ITSE2459 Adv Comp Program		F		4
<input type="checkbox"/>	13. INEW2330 SW Proj: Plan/Design		SP		3
<input type="checkbox"/>	14. INEW2332 SW Proj: Code/Test		SP		3
					<i>45 hours</i>
<input type="checkbox"/>	15. ITSE1350 Sys Analysis/Design (16 wks) ***		F, SP		3
<input type="checkbox"/>	16. <i>ENGL1301 Composition I</i>		F, SP, SU		3
<input type="checkbox"/>	17. <i>PSYC2301 General Psychology *</i>	GE S&B \$	F, SP, SU		3
<input type="checkbox"/>	18. ENGL2311 Tech & Bus Writing	GE AC %	F, SP, SU		3
<input type="checkbox"/>	19. <i>PHIL2306 Intro to Ethics *</i>	GE H&FA !	F, SP, SU		3
	*** ASSOCIATE OF APPLIED SCIENCE DEGREE EARNED ***				<i>60 hours</i>
	NOTE: Check with the Office of Financial Aid as aid may not be available beyond degree completion and/or 60 hours.				

READ ALL NOTES CAREFULLY:

- a) Courses in **bold** have a pre-requisite (previous course required). [See Catalog](#)
- 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 Field of Study and Degree Requirements.
- * Refer to list of General Ed. Courses and KC Catalog for all options.
- ** MATH1314 or MATH1324 MUST be taken before COSC1436.
- *** Capstone course. Students may take ITSC1364 instead of ITSE1350.

CAREER OPPORTUNITIES

Career Options: [Computer Programmers](#); [Data Analysts](#)
 Salary Information: [Computer Programmers](#); [Data Analysts](#)

ADVANCED DEGREES/CREDENTIAL OPPORTUNITIES

Bachelor of Applied Arts & Sciences
 Certifications: [CompTIA Tech+](#), [CompTIA Linux+](#), [CompTIA Project+](#), [Certified Entry-Level Python Programmer \(PCEP\)](#), [Certified Web and Mobile App Developer Apprentice \(CWMA-apprentice\)](#)

LINKS TO COLLEGES AND PROFESSIONAL ORGANIZATIONS:

University of Texas @ Tyler Bachelor of Applied Arts & Sciences: <https://www.uttyler.edu/baas/>
 University of North Texas Bachelor of Applied Arts & Sciences: <https://baas.unt.edu/>

CONTACT INFORMATION (Click link for [KC Digital Map](#))

Kilgore College Advisors
 Email: advising@kilgore.edu
 Webpage: [Academic Advising](#)

Mark Stephens
 Assistant Professor, CIT
 BLDG #24, Rm 103-A
 903-983-8139
mstephens1@kilgore.edu

Dr. Ginger Dennis
 Department Chair
 BLDG #24, Rm 109
 903-988-3722
gdennis@kilgore.edu



Kilgore College Composite List of General Education Courses

! Humanities and Fine Arts

[ARTS 1301 \(T\) - Art Appreciation](#)
[ARTS 1303 \(T\) - Art History I](#)
[ARTS 1304 \(T\) - Art History II](#)
[DANC 2303 \(T\) - Dance Appreciation](#)
[DRAM 1310 \(T\) - Theatre Appreciation](#)
[DRAM 2361 - History of the Theatre I](#)
[DRAM 2362 - History of the Theatre II](#)
[DRAM 2366 \(T\) - Film Appreciation](#)
[ENGL 1302 \(T\) - Composition II](#)
[ENGL 2322 \(T\) - British Literature I](#)
[ENGL 2323 \(T\) - British Literature II](#)
[ENGL 2326 \(T\) - American Literature](#)
[ENGL 2332 \(T\) - World Literature I](#)
[ENGL 2333 \(T\) - World Literature II](#)
[HIST 1301 \(T\) - United States History I](#)
[HIST 1302 \(T\) - United States History II](#)
[HIST 2311 \(T\) - Western Civilization I](#)
[HIST 2312 \(T\) - Western Civilization II](#)
[HIST 2321 \(T\) - World Civilizations I](#)
[HIST 2322 \(T\) - World Civilizations II](#)
[MUSI 1306 \(T\) - Music Appreciation](#)
[PHIL 1301 \(T\) - Introduction to Philosophy](#)
[PHIL 2306 \(T\) - Introduction to Ethics](#)

\$ Social and Behavioral Sciences

[CRIJ 1301 \(T\) - Introduction to Criminal Justice](#)
[ECON 2301 \(T\) - Principles of Macroeconomics](#)
[ECON 2302 \(T\) - Principles of Microeconomics](#)
[GEOG 1303 \(T\) - World Regional Geography](#)
[GOVT 2305 \(T\) - Federal Government](#)
[GOVT 2306 \(T\) - Texas Government](#)
[HIST 1301 \(T\) - United States History I](#)
[HIST 1302 \(T\) - United States History II](#)
[PSYC 2301 \(T\) - General Psychology](#)
[PSYC 2314 \(T\) - Lifespan Growth and Development](#)
[SOCI 1301 \(T\) - Introductory Sociology](#)
[SOCI 1306 \(T\) - Social Problems](#)
[SOCI 2301 \(T\) - Marriage and the Family](#)
[TECA 1354 \(T\) - Child Growth and Development](#)

@ Natural Sciences and Mathematics

[BIOL 1309 \(T\) - Biology for Non-Science Majors II \(lecture\)](#)
[BIOL 1406 \(T\) - Biology for Science Majors I](#)
[BIOL 1407 \(T\) - Biology for Science Majors II](#)
[BIOL 1408 \(T\) - Biology for Non-Science Majors I](#)
[BIOL 1409 \(T\) - Biology for Non-Science Majors II](#)
[BIOL 2401 \(T\) - Human Anatomy and Physiology I](#)
[BIOL 2402 \(T\) - Human Anatomy and Physiology II](#)
[BIOL 2406 \(T\) - Environmental Biology](#)
[CHEM 1405 \(T\) - Introductory Chemistry I \(lecture + lab\)](#)
[CHEM 1406 \(T\) - Introductory Chemistry I \(lecture + lab, allied health emphasis\)](#)
[CHEM 1411 \(T\) - General Chemistry I \(lecture + lab\)](#)
[CHEM 1412 \(T\) - General Chemistry II \(lecture + lab\)](#)
[ENVR 1401 \(T\) - Environmental Science I](#)
[GEOL 1301 \(T\) - Earth Sciences for Non-Science Majors I \(lecture\)](#)
[GEOL 1403 \(T\) - Physical Geology \(lecture + lab\)](#)
[GEOL 1404 \(T\) - Historical Geology \(lecture + lab\)](#)
[GEOL 1405 \(T\) - Environmental Science \(lecture + lab\)](#)
[MATH 1314 \(T\) - College Algebra](#)
[MATH 1316 - Plane Trigonometry](#)
[MATH 1324 \(T\) - Mathematics for Business and Social Sciences](#)
[MATH 1325 \(T\) - Calculus for Business and Social Sciences](#)
[MATH 1332 \(T\) - Contemporary Mathematics](#)
[MATH 1342 \(T\) - Elementary Statistical Methods](#)
[MATH 1350 \(T\) - Mathematics for Teachers I](#)
[MATH 1351 \(T\) - Mathematics for Teachers II](#)
[MATH 2412 \(T\) - Pre-Calculus Math](#)
[MATH 2413 \(T\) - Calculus I](#)
[MATH 2414 \(T\) - Calculus II](#)
[MATH 2415 \(T\) - Calculus III](#)
[PHYS 1303 \(T\) - Stars and Galaxies \(lecture\)](#)
[PHYS 1401 \(T\) - College Physics I](#)
[PHYS 1402 \(T\) - College Physics II](#)
[PHYS 1403 - Stars and Galaxies](#)
[PHYS 1404 \(T\) - Solar System](#)
[PHYS 1405 \(T\) - Elementary Physics I](#)

% Additional Course

An additional course from the lists above or one of the following:

[SPCH 1315](#) or [SPCH 1318](#) or [EDUC 1300](#) or [ENGL 2311](#) or [BCIS 1305](#)