

TESU B.A. Computer Science Degree Plan: Transfer Credit Map

B.A. in Computer Science at Thomas Edison State University, with UPI Study courses

About this degree plan.

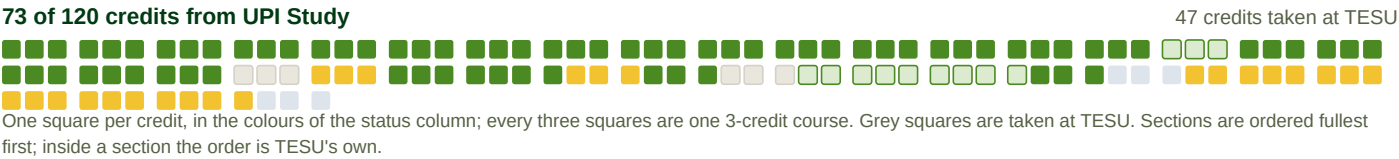
UPI Study made this plan; TESU did not provide, review or approve it. Students ask us for plans like this all the time, so we built it ourselves from TESU's published catalog and its posted equivalency list for UPI Study courses, as carefully as we can. Catalogs and transfer rules change, and TESU alone decides what counts toward your degree. Please check every line of this plan and sheet with your TESU advisor before you enroll or pay. UPI Study takes no responsibility for decisions made from this plan; it is a planning tool to help you.

73 of the 120 credits can come from UPI Study courses on TESU's posted equivalency list; 47 are left to take at TESU. Up to 88 if TESU confirms the rows marked "Ask your advisor".

Credits for the degree
120

UPI Study can cover
73

Left to take at TESU
47



How to read the table

"UPI suggests trying ..." is a course to try, not an official equivalency, and is never counted. "Ask your advisor if UPI's ... could count" names courses the advisor may place here. The sections come fullest first; inside each one the order is TESU's own.

- Covered** the UPI Study course on the row fills this requirement
- Ask your advisor** a UPI Study course may fit, but TESU has not confirmed it for this row, so it is not counted
- UPI suggests trying** a UPI Study course on the subject: one to try, not an official equivalency, never counted
- Take this at TESU** TESU itself says this cannot be transferred in
- Ask your advisor about this** no official equivalency and nothing to suggest yet; nothing here is counted

Requirement	TESU course	UPI Study course	Status
III. Electives			30 of 30 credits from UPI Study

Requirement	TESU course	UPI Study course	Status
Free electives 30 credits	Any college-level credit (TESU: "The elective category may be satisfied by almost any college credits")	Microeconomics (Economics 251, 3 cr) Counts as ECO-1120 Microeconomics Intro to Biology 2 (Biology 200, 3 cr) Counts as BIO-1120 General Biology II Programming in C (Computer Science 240, 3 cr) Counts as COS-1160 C Programming Current Trends in Computer Science and IT (Computer Science 140, 3 cr) Counts as COS-1999 Special Topics in Computer Science Introduction to HTML and CSS (Computer Science 180, 3 cr) Counts as CAP-2800 World Wide Web Development Introduction to Javascript (Computer Science 190, 3 cr) Counts as CAP-2530 JavaScript Database Fundamentals (Computer Science 281, 3 cr) Counts as ITS-1300 Database Fundamentals Computer Concepts and Applications (Computer Science 150, 3 cr) Counts as CIS-1070 Computer Concepts and Applications System Analysis and Design (Computer Science 390, 3 cr) Counts as CIS-3200 System Analysis and Design I Software Engineering (Computer Science 301, 3 cr) Counts as CIS-2510 Software Engineering	Covered
I. General Education - D. Scientific Knowledge ■■■ ■■■			6 of 6 credits from UPI Study
Scientific Knowledge (natural sciences or computer science) 6 credits	EAS-1010 General Earth Science BIO-2080 The Science of Nutrition	Chemistry I (Chemistry 111, 3 cr) Counts as CHE-1110 General Chemistry I Physics I (Physics 200, 3 cr) Counts as PHY-1110 Physics I	Covered
II. Area of Study - Computer Science (45 credits) - C. Natural Sciences, Math, and Computer Science Electives ■■■ ■■■			15 credits from UPI Study
Natural Sciences, Math and Computer Science Electives 6 credits	Complete 6 credits in the Natural Sciences, Math, and Computer Science areas	Calculus 2 (Math 265, 4 cr) Counts as MAT-2320 Calculus II Intro to Biology 1 (Biology 100, 3 cr) Counts as BIO-1110 General Biology I	Covered
I. General Education - C. Knowledge of Human Cultures ■■■ □□□ ■■■ ■■■ ■■■			12 of 15 credits from UPI Study
Social Sciences 3 credits	SOC-2100 Marriage and the Family	Introduction to Sociology (Sociology 110, 3 cr) Counts as SOC-1010 Our Changing World: Intro to Sociology	Covered
History 3 credits	HIS-1130 American History I	UPI suggests trying US History 1.	UPI suggests trying
Humanities 3 credits	FIL-1100 Exploring American Cinema	Principles of Philosophy (Philosophy 200, 3 cr) Counts as PHI-1010 Introduction to Philosophy	Covered

Requirement	TESU course	UPI Study course	Status
Two more courses from Social Sciences, History or Humanities 6 credits	SOC-2910 Criminology HIS-1140 American History II HIS-1210 Introduction to World History I or one of 2 more	Introduction to Psychology (Psychology 110, 3 cr) Counts as PSY-1010 Introduction to Psychology Macroeconomics (Economics 252, 3 cr) Counts as ECO-1110 Macroeconomics	Covered
I. General Education - B. Civic and Global Leadership 			6 of 9 credits from UPI Study
Diversity / Intercultural Literacy 3 credits	SOC-1010 Our Changing World: An Introduction to Sociology	Globalization and International Management (Business 309, 3 cr) Counts as MAN-3720 International Management	Covered
Ethical Leadership 3 credits	ETH-2200 Leading the Way: A Path Towards Ethical Leadership	Business Ethics (Business 211, 3 cr) Counts as PHI-3840 Ethics and the Business Professional	Covered
Civic Engagement and Awareness 3 credits	POS-1100 American Government	Ask your advisor about this.	Ask your advisor about this
II. Area of Study - Computer Science (45 credits) - A. Required Courses 			10 of 19 credits from UPI Study
Introduction to Programming 3 credits	COS-1110 Introduction to Programming	Introduction to Java (Computer Science 210, 3 cr) Ask the TESU advisor: TESU's equivalency for UPI Study's Introduction to Java is COS-2080 Java Programming, not COS-1110 Introduction to Programming.	Ask your advisor
Data Structures 3 credits	COS-2410 Data Structures	Data Structures and Algorithms (Computer Science 251, 3 cr) Counts as COS-2410 Data Structures	Covered
Calculus I 4 credits	MAT-2310 Calculus I	Calculus 1 (Math 165, 4 cr) Counts as MAT-2310 Calculus I	Covered
Discrete Mathematics 3 credits	MAT-2700 Discrete Mathematics	Discrete Mathematics (Maths 230, 4 cr) Ask the TESU advisor: TESU's Dean approved UPI Study's Discrete Mathematics in transfer as COS-2610 Discrete Structures I (4 cr) for all students; the degree names MAT-2700 Discrete Mathematics.	Ask your advisor
Operating Systems 3 credits	COS-2400 Operating Systems	Introduction to Operating Systems (Computer Science 354, 3 cr) Counts as COS-2400 Operating Systems	Covered
Computer Architecture 3 credits	COS-3300 Computer Architecture	TESU counts UPI's Fundamentals of Information Technology as TEC-2610 Information Technology, not for this requirement. Ask your advisor about this.	Ask your advisor about this
I. General Education - A. Intellectual and Practical Skills 			3 of 15 credits from UPI Study
Written Communication (English Composition I and II) 6 credits	ENC-1010 Writing for Success ENC-1020 Writing for Success II	UPI suggests trying English Composition 1.	UPI suggests trying
Oral Communication 3 credits	COM-2090 Public Speaking	UPI suggests trying Business Communication.	UPI suggests trying

Requirement	TESU course	UPI Study course	Status
Quantitative Literacy and Mathematical Skills 3 credits	MAT-1210 College Algebra	Quantitative Analysis (Math 250, 3 cr) Counts as BUS-2100 Quantitative Skills for Business	Covered
Information Literacy (SOS-1100, TESU institutional requirement) 3 credits	SOS-1100 Fact, Fiction, or Fake? Information Literacy Today	Take this at TESU.	Take this at TESU
II. Area of Study - Computer Science (45 credits) - B. Computer Science Electives			0 of 18 credits from UPI Study
Computer Science Electives 18 credits	Computer Science Electives - TESU: "For computer science electives, please contact an academic advisor."	Introduction to Artificial Intelligence (Computer Science 373, 3 cr) Ask the TESU advisor: TESU-confirmed as COS-4510 Artificial Intelligence (4000-level, counts toward the upper-level rule); TESU asks students to confirm CS electives with an advisor. Programming in Python (Computer Science 230, 3 cr) Ask the TESU advisor: TESU-confirmed as COS-2050 Python Programming (2000-level); CS electives are confirmed with an advisor. Programming in C++ (Computer Science 242, 3 cr) Ask the TESU advisor: TESU-confirmed as COS-2130 C++ Programming (2000-level); CS electives are confirmed with an advisor.	Ask your advisor
II. Area of Study - Computer Science (45 credits) - D. Capstone			0 of 3 credits from UPI Study
Liberal Arts Capstone - Natural Sciences, Math and Computer Science 3 credits	LIB-4970 Liberal Arts Capstone - Natural Sciences, Math and Computer Science	Take this at TESU.	Take this at TESU

Made by UPI Study, not by TESU. Check every line with your TESU advisor before you enroll. What each UPI Study course counts as comes from TESU's posted equivalency list for UPI Study courses. A suggested course is one to try, not an official equivalency, and is never counted. ACE and NCCRS have over 2,100 cooperating colleges that will consider accepting credits; the final decision is with the universities.

The live plan, the plan builder, the Excel sheet and the sources: <https://www.upistudy.com/degree-plans/tesu/ba-computer-science>