FOOTHILL COLLEGE
SCIENCE LEARNING INSTITUTE

TechCore Course Sequence: 2 year + 3 year maps

TechCore is a cohort program for students on a guided pathway to an Associate's Degree for Transfer in Computer Science (ADT-CS). TechCore provides students from underrepresented groups in the STEM field a shared learning experience to ensure their success in the transfer pathway.

Two course sequences have been mapped out for students to work toward their ADT-CS. Choose which one looks best for you based on conversations with a counselor and the TechCore program staff.

TWO YEAR SEQUENCE

Summer before officially starting at Foothill College: **TechCore Summer Institute**
- CS 49: Foundations of Computer Programming (2 units)
- NCBS 403A: Bridge to College Level Mathematics (noncredit)
- CRLP 71: Exploring Career Fields (1 unit)

Year 1

FALL	WINTER	SPRING	SUMMER
MATH 48A: Precalculus I (5 units)	MATH 48B: Precalculus II (5 units)	MATH 48C: Precalculus III (5 units)	MATH 22: Discrete Mathematics (5 units)
CS 3A: Object-Oriented Programming Methodologies in Python (4.5 units)	CS 3B: Intermediate Software Design in Python (4.5 units)	CS 3C: Advanced Data Structures & Algorithms in Python (4.5 units)	MDIA 11: Introduction to Popular Culture (4 units)
CNSL 72: Stress, Wellness, and Coping (3 units)	ENGL 1A: Composition & Reading (5 units)	ENGL 1B: Composition, Critical Reading & Thinking through Literature (5 units)	
	PSYC 30: Social Psychology (4 units)	PHOT 8: Photography of Multicultural America (4 units)	

Year 2

FALL	WINTER	SPRING
MATH 1A: Calculus (5 units)	MATH 1B: Calculus (5 units)	MATH 1C: Calculus (5 units)
CS 10: Computer Architecture & Organization (4.5 units)	PHYS 4A: General Physics (6 units)	PHYS 4B: General Physics (6 units)
COMM 2: Interpersonal Communication (5 units)	HIST 17C: History of the United States from 1914 to the Present (4 units)	POLI I: Political Science: Introduction to American Government & Politics (5 units)
ANTH 1: Introduction to Physical Anthropology (4 units)	MDIA 1: Introduction to Film Studies (4 units)	

All classes will generally be conducted in-person or synchronously online. Classes will be held in the 10am to 12:30pm block and 1:30 to 3:45pm block, Monday to Friday. *Because of COVID-19, some courses are not able to be held completely synchronously, however.*

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Year 1

FALL	WINTER	SPRING	SUMMER
MATH 48A: Precalculus I (5 units)	MATH 48B: Precalculus II (5 units)	MATH 48C: Precalculus III (5 units)	POLI I: Political Science: Introduction to American Government & Politics (5 units)
CS 3A: Object-Oriented Programming Methodologies in Python (4.5 units)	CS 3B: Intermediate Software Design in Python (4.5 units)	CS 3C: Advanced Data Structures & Algorithms in Python (4.5 units)	MDIA 1: Introduction to Film Studies (4 units)
CNSL 72: Stress, Wellness, and Coping (3 units)			PHED (physical education class of your choice for 1 unit)

Year 2

FALL	WINTER	SPRING	SUMMER
MATH 1A: Calculus (5 units)	MATH 1B: Calculus (5 units)	MATH 1C: Calculus (5 units)	HIST 17C: History of the United States from 1914 to the Present (4 units)
ENGL 1A: Composition & Reading (5 units)	ENGL 1B: Composition, Critical Reading & Thinking through Literature (5 units)	COMM 2: Interpersonal Communication (5 units)	MDIA 11: Introduction to Popular Culture (4 units) OR HUMN 8: Ex Machina: The Paradox of Being Human in the Digital Age (4 units)
PSYC 30: Social Psychology (4 units)			

Year 3

FALL	WINTER	SPRING
PHYS 4A: General Physics (6 units)	PHYS 4B: General Physics (6 units)	CS 10: Computer Architecture & Organization (4.5 units)
MATH 22: Discrete Mathematics (5 units)	ANTH 1: Introduction to Physical Anthropology (4 units)	PHOT 8: Photography of Multicultural America (4 units)

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