Revised 9/17/2024

Missouri State University Computer Science
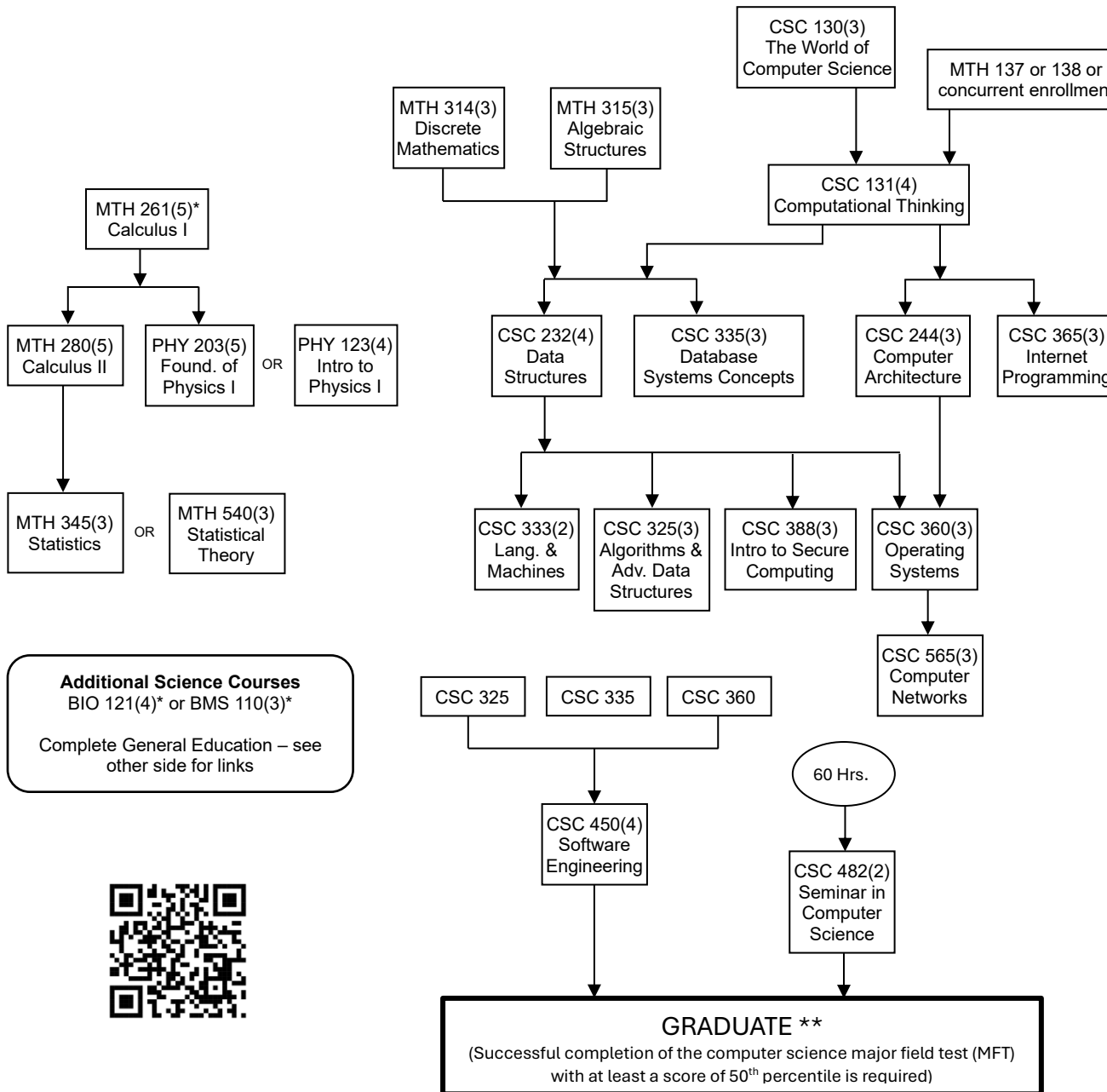
Some Math, Physics, and CSC Elective courses have prerequisites that aren't shown. Please check catalog.

Computer Science Option

M Missouri State

Declare your minor (usually Math) by e-mailing registrar@missouristate.edu.

Use my.missouristate.edu to register and make changes to your schedule.

Course Flowchart

- CSC 130(3) The World of Computer Science
- MTH 137 or 138 or concurrent enrollment
- MTH 314(3) Discrete Mathematics
- MTH 315(3) Algebraic Structures
- CSC 131(4) Computational Thinking
- MTH 261(5)* Calculus I
- MTH 280(5) Calculus II
- PHY 203(5) Found. of Physics I **OR** PHY 123(4) Intro to Physics I
- MTH 345(3) Statistics **OR** MTH 540(3) Statistical Theory
- CSC 232(4) Data Structures
- CSC 335(3) Database Systems Concepts
- CSC 244(3) Computer Architecture
- CSC 365(3) Internet Programming
- CSC 333(2) Lang. & Machines
- CSC 325(3) Algorithms & Adv. Data Structures
- CSC 388(3) Intro to Secure Computing
- CSC 360(3) Operating Systems
- CSC 565(3) Computer Networks
- CSC 325 | CSC 335 | CSC 360
- CSC 450(4) Software Engineering
- 60 Hrs.
- CSC 482(2) Seminar in Computer Science

Additional Science Courses
BIO 121(4)* or BMS 110(3)*

Complete General Education – see other side for links

GRADUATE **
(Successful completion of the computer science major field test (MFT) with at least a score of 50th percentile is required)

** To graduate at least 120 hours of courses must be taken including at least 40 hours of courses numbered 300 and above

*May also count toward General Education Requirements

Choose 9 hours from among:

Course	Term	Title
CSC 300 (1)	D	Service Learning in CS
CSC 330 (3)	D	Intro to Data Science
CSC 388 (3)	D	Intro to Secure Computing
CSC 399 (1-3)	F,S,SU	Cooperative Education
CSC/MTH 421 (3),	D	Numerical Analysis I
CSC/MTH 422 (3),	D	Numerical Analysis II
CSC 455 (3)	F	Software Quality Assurance
CSC 515 (3)	S	Advanced Internet Programming
CSC 521 (3)	D	Compiler Construction
CSC 525 (3)	F	Computer Graphics
CSC 526 (3)	D	Methods of Optimization
CSC 534 (3)	S	Big Data Analytics
CSC 535 (3)	D	Data Mining
CSC 538 (3)	D	Parallel & Distributed Computing
CSC 540 (3)	S	Intro. to Artificial Intelligence
CSC 545 (3)	S	Computer Speech, Music & Images
CSC 567 (3)	S	Mobile Computing Applications
CSC 590 (1-4)	D	Adv. Topics in Computer Science
CSC 596 (1-3)	D	Special Readings

D = Demand, F = Fall, S = Spring, SU = Summer
Note: No more than three hours can count from CSC 399 and no more than 3 hours can count from CSC 596.

The Computer Science Major at Missouri State has a strong mathematics emphasis. Students interested in a different minor should consider the Software Development option of the Computer Science degree.

For further information about Computer Science at Missouri State please contact:

Computer Science Department
Missouri State University
901 S. National
Springfield MO 65897
(417) 836-4157

ComputerScience@missouristate.edu
www.cs.missouristate.edu

ABET Computing Accreditation Commission

The Computer Science program is accredited by the Computing Accreditation Commission of ABET, www.ABET.org