Missouri State University
Computer Science "Software Development" Option

CSC 130(3)
The World of
Computer Science

Some Math and CSC Elective courses have prerequisites that aren't shown. Please check catalog.

MTH 137 or 138 or concurrent enrollment
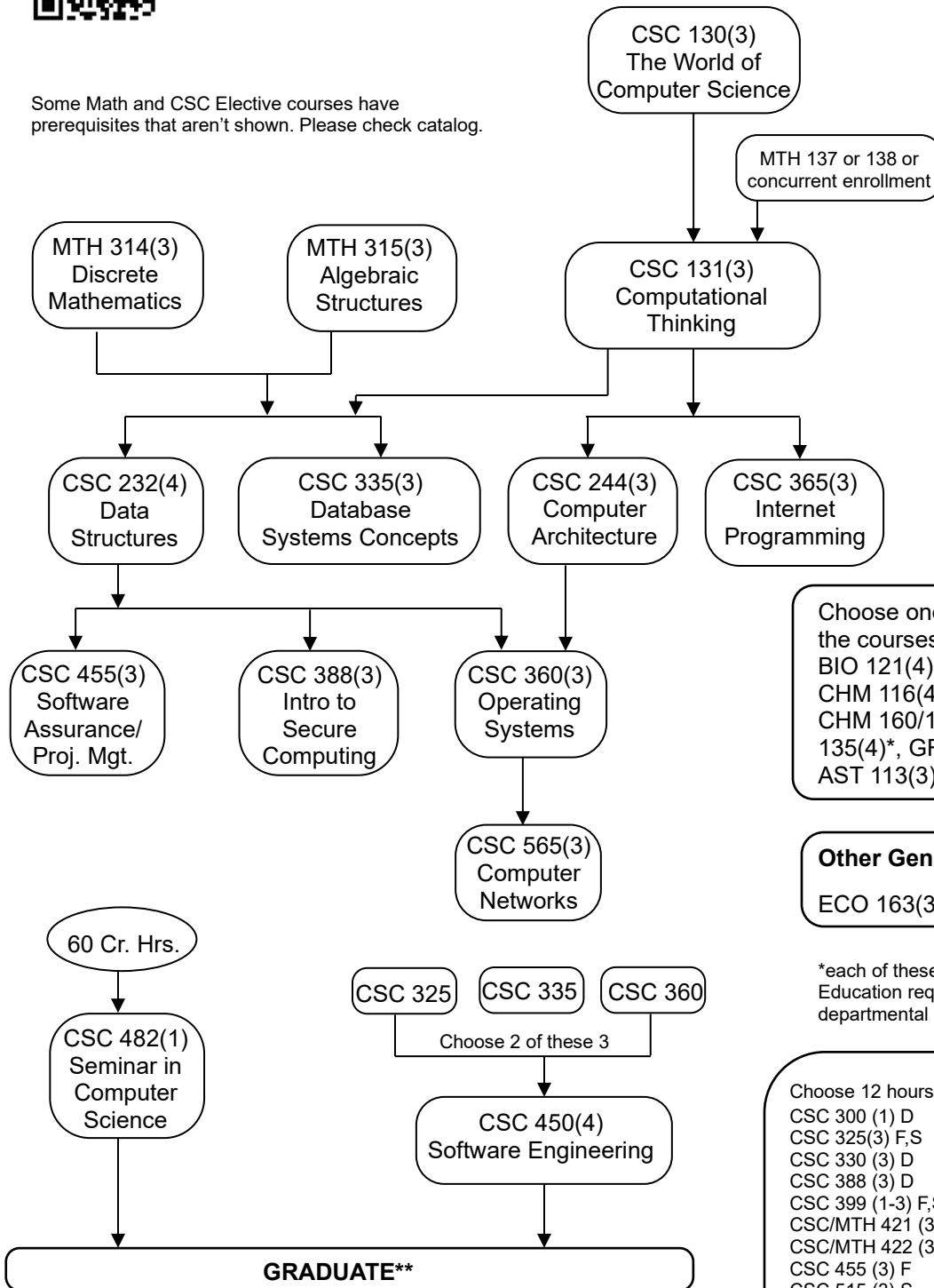
MINOR IS REQUIRED
See
http://www.missouristate.edu/registrar/catalog/majorsminors.htm#Minors
Declare your minor by emailing
registrar@missouristate.edu
Use my.missouristate.edu to register and make changes to your schedule

MTH 314(3)
Discrete
Mathematics

MTH 315(3)
Algebraic
Structures

CSC 131(3)
Computational
Thinking

CSC 232(4)
Data
Structures

CSC 335(3)
Database
Systems Concepts

CSC 244(3)
Computer
Architecture

CSC 365(3)
Internet
Programming

One Course in:
MKT 350(3)   PSY 305(3)
MGT 340(3)   PSY 481(3)
COM 315(3)
Other courses may be acceptable with department approval.

CSC 455(3)
Software
Assurance/
Proj. Mgt.

CSC 388(3)
Intro to
Secure
Computing

CSC 360(3)
Operating
Systems

Choose one course from each group (at least one of the courses with a lab:
BIO 121(4)*, BMS 110(3)*, BMS 110/BMS 111(4)* CHM 116(4)*, CHM 116/117(5)*, CHEM 160(4)*, CHM 160/161(5)*, GLG 110(4)*, GLG 171(3)*, GRY 135(4)*, GRY 142(4)*, PHY 123(4)*, PHY 203(%)*, AST 113(3)*, AST 114(4)*, and AST 115(4)*

CSC 565(3)
Computer
Networks

Other GenEd:

ECO 163(3)*   PSY 121(3)*   ENG 321(3)*

60 Cr. Hrs.

CSC 325   CSC 335   CSC 360

Choose 2 of these 3

*each of these courses may also count toward or satisfy General Education requirements. Other courses may be acceptable with departmental approval.

CSC 482(1)
Seminar in
Computer
Science

CSC 450(4)
Software Engineering

Choose 12 hours from among:

Course	Title
CSC 300 (1) D	Service Learning in CS
CSC 325(3) F,S	Algorithms & Adv. Data Structures
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 537 (3) D	Deep Learning
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

GRADUATE**

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

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

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.