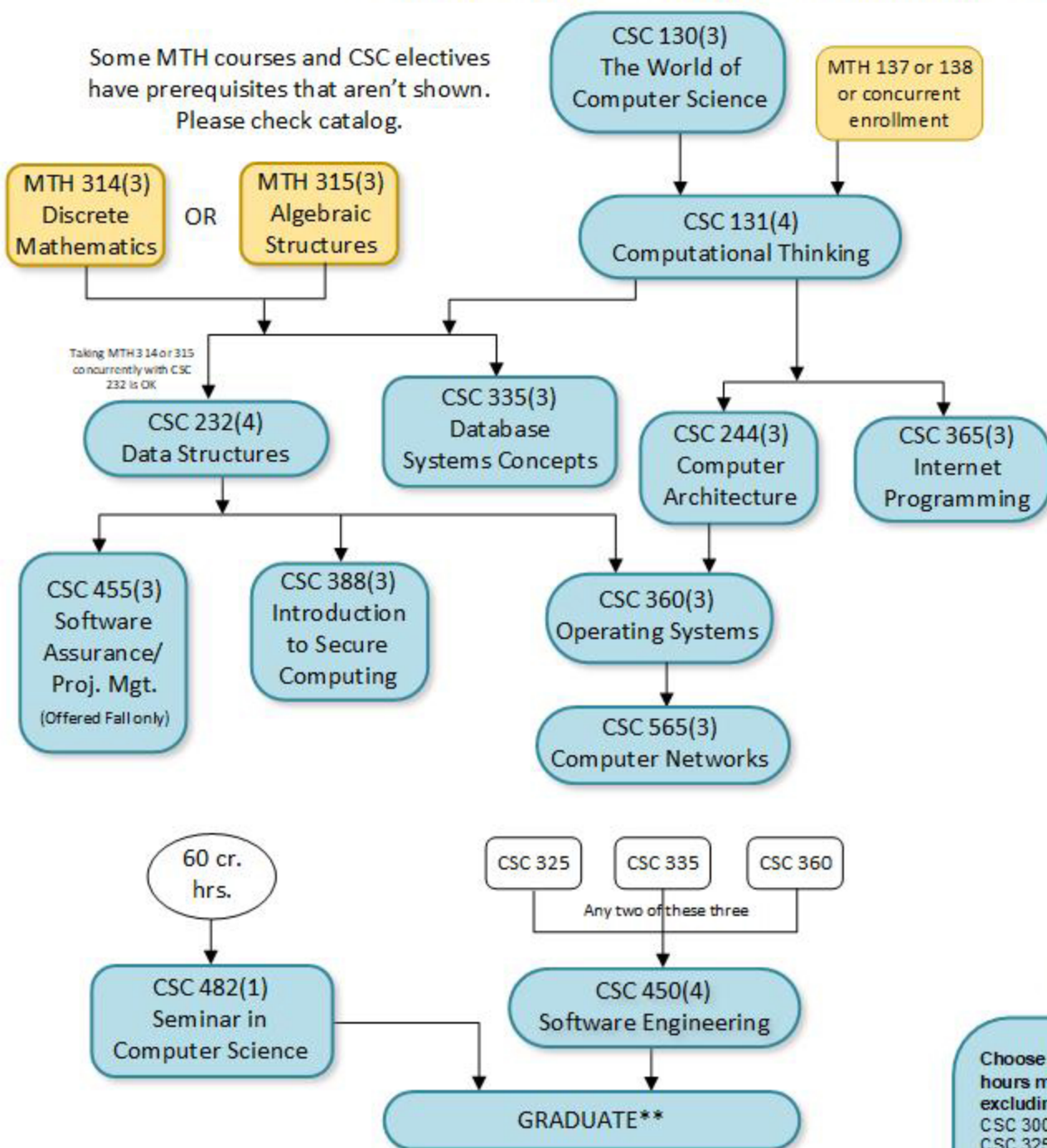# Missouri State University
Computer Science "Software Development" Option

Some MTH courses and CSC electives have prerequisites that aren't shown. Please check catalog.

CSC 130(3) The World of Computer Science

MTH 137 or 138 or concurrent enrollment

MTH 314(3) Discrete Mathematics **OR** **MTH 315(3)** Algebraic Structures

CSC 131(4) Computational Thinking

Taking MTH 314 or 315 concurrently with CSC 232 is OK

CSC 232(4) Data Structures

CSC 335(3) Database Systems Concepts

CSC 244(3) Computer Architecture

CSC 365(3) Internet Programming

CSC 455(3) Software Assurance/ Proj. Mgt. (Offered Fall only)

CSC 388(3) Introduction to Secure Computing

CSC 360(3) Operating Systems

CSC 565(3) Computer Networks

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.

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

60 cr. hrs.

CSC 325   CSC 335   CSC 360
Any two of these three

Other GenEd

ECO 165(3)*   PSY 121(3)*   ENG 321(3)*

*Each of these courses may also count towards 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

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

Choose **12 hours** from among these courses: (3 of these hours must be from courses numbered 500 or higher excluding CSC 596)

Course		
CSC 300 (1) D	Service Learning in CS
CSC 325 (3) F,S	Algorithms & Data Structures
CSC 333 (2) F,S	Languages & Machines
CSC 399 (1–3) F,S, SU	Cooperative Education
CSC 515 (3) S	Advanced Internet Programming
CSC 521 (3) D	Compiler Construction
CSC 525 (3) F	Computer Graphics
CSC 535 (3) D	Data Mining
CSC 538 (3) D	Parallel and 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 3 hours can count from CSC 399 and no more than 3 hours can count from CSC 596.

Revised 4/7/2020