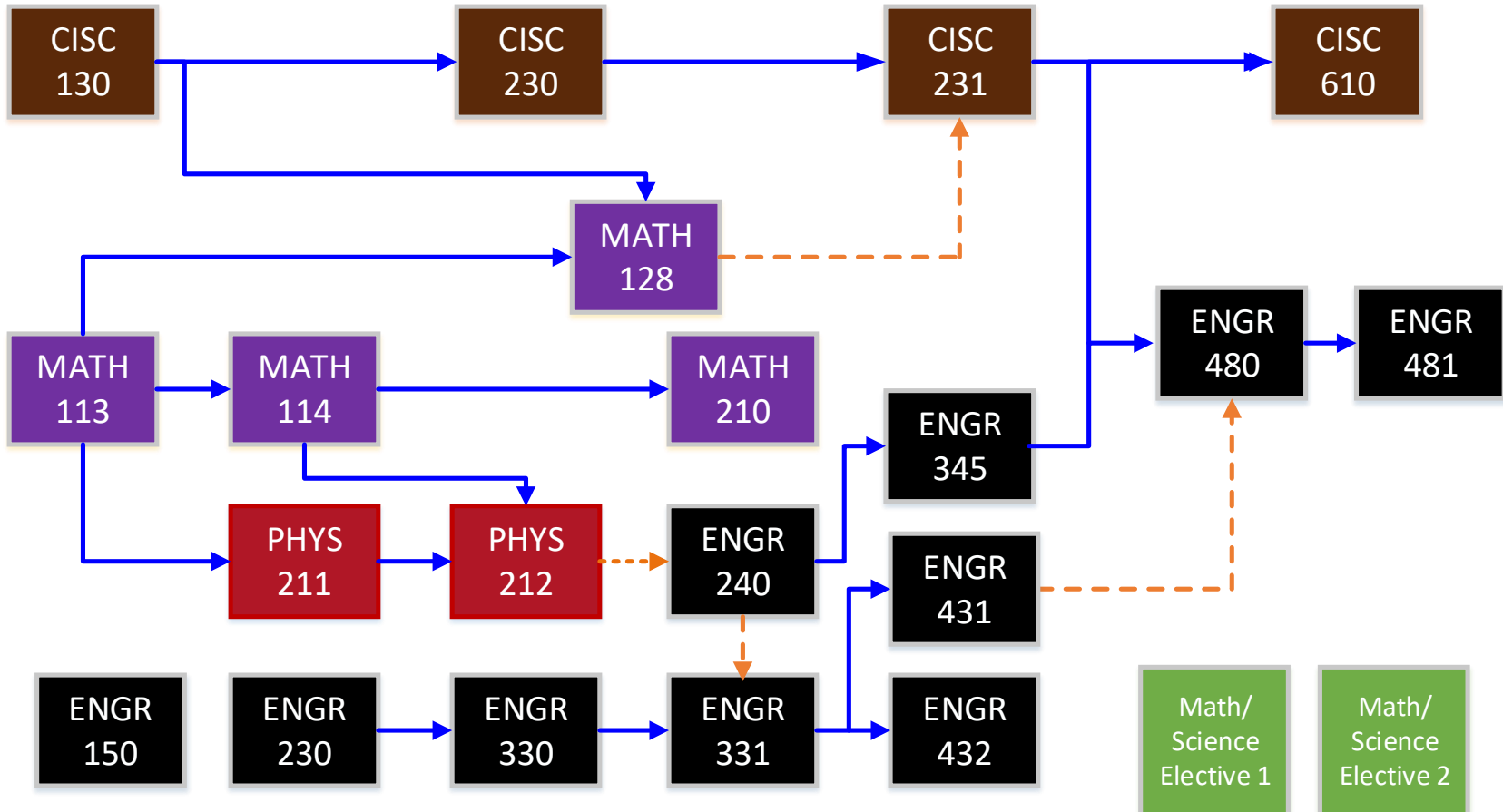


B.S. Computer Engineering

University Core Curriculum Requirements not show.



(Solid Lines) Pre-requisites



(Dashed Lines) Concurrent Registration OR Prior Completion



Math/ Science Elective 1	Math/ Science Elective 2
ENGR/CISC Elective 1	ENGR/CISC Elective 2

BS Computer Engineering Course Pre-Requisite Table
(updated: 04/10/2019)

Course	Pre-requisite	Concurrent Registration or Prior Completion
CISC 130	Placement into MATH 108	None
CISC 230	CISC 130 or CISC 131	None
CISC 231	CISC 230	MATH 128
CISC 610	CISC 231	None
MATH 113	Placement into MATH 113	None
MATH 114	MATH 113 or MATH 109	None
MATH 128	(MATH 113 or MATH 109) and CISC 130	None
MATH 210	MATH 114	None
PHYS 211	MATH 113 or MATH 109	None
PHYS 212	PHYS 211 and MATH 114	None
ENGR 150	None	None
ENGR 230	None	None
ENGR 240	None	PHYS 212
ENGR 330	CISC 130 and ENGR 230	None
ENGR 331	CISC 130 and ENGR 230	ENGR 240 or ENGR 350
ENGR 345	ENGR 240	None
ENGR 431	ENGR 331	None
ENGR 432	ENGR 331	None
ENGR 480	CISC 231 and ENGR 345	ENGR 431
ENGR 481	ENGR 480	None
Technical Electives	See Pre-requisites for individual courses. (See next page for Math/Science and Technical Elective List)	

BS Computer Engineering Technical Electives (updated: 04/10/2019)

Math/Science Electives

A total of **8 credit** from the following list:

- MATH 200 or higher;
- PHYS 200 or higher;
- CHEM 109, 111, 112, 115;
- STAT 220, 320;
- **Other Math or Science electives approved by the chair**

Computer Engineering Technical Electives

A total of **two courses** selected from the following list.

- CISC 310 Operating Systems (4 credits)
- CISC 350 Information Security (4 credits)
- CISC 370 Computer Networking (4 credits)
- CISC 380 Algorithms (4 credits)
- CISC 410 Advanced Information Security (4 credits)
- CISC 440 Artificial Intelligence and Robotics (4 credits)
- CISC 450 Database Design I (4 credits)
- CISC 451 Database Design II (4 credits)
- ENGR 340 Signals and Systems (4 credits)
- ENGR 346 Electronics II (4 credits)
- ENGR 410 Control Systems (4 credits)
- ETLS 675 Digital Signal Processing I (3 credits)
- ETLS 676 Real Time Applications of DSP (3 credits)
- **Other ENGR, CISC, SEIS, or ETLS course approved by the chair**