

CSC Basic Science

Code	Title	Hours
CSC Restricted Elective Courses		1-6
ACC 310	Intermediate Financial Accounting I	3
ACC 311	Intermediate Financial Accounting II	3
ACC 330	An Introduction To Income Taxation	3
ACC 340	Accounting Information Systems	3
ARS 306	Music Composition with Computers	3
BUS 320	Financial Management	3
BUS 340	Information Systems Management	3
BUS 360	Marketing Methods	3
BUS 4**		
CHE 435	Process Systems Analysis and Control	3
CHE 465	Colloidal and Nanoscale Engineering	3
CSC 427	Introduction to Numerical Analysis I	3
CSC 428	Introduction to Numerical Analysis II	3
DSC 405	Data Wrangling and Web Scraping	1
DSC 406	Exploratory Data Analysis for Big Data	1
DSC 410	Data Internship Preparation for Social Impact	1
DSC 412	Exploring Machine Learning	1
EC 3**		
EC 4**		
EC 5**		
ECE 3** (except for ECE 309)		
ECE 4**		
ECE 5**		
EED 401	Teaching Undergraduate Engineers	3
or EED 501	Teaching Undergraduate Engineers	
EED 411	Societal Foundations for Engineering Education	3
or EED 511	Societal Foundations for Engineering Education	
EED 414	Ethics for Engineering Education	3
or EED 514	Ethics for Engineering Education	
EED 495	Special Topics in Engineering Education	1-3
EED 502	Engineering Education : Content, Assessment, and Pedagogy	3
EED 509	Field Experiences in Engineering Education	3
EED 595	Special Topics in Engineering Education	1-3
EMS 480	Teaching Mathematics with Technology	3
GC 320	3D Spatial Relations	3
GC 350	Applied CAD/D and Geometric Controls	3
GC 420	Visual Thinking	3
GN 5**		
ISE 311	Engineering Economic Analysis	3
ISE 361	Deterministic Models in Industrial Engineering	3
ISE 4**		
ISE 5**		
LOG 335	Symbolic Logic	3
LOG 435	Advanced Logic & Metamathematics	3
LOG 535	Advanced Logic and Metamathematics	3
MA 302	Numerical Applications to Differential Equations	1
MA 341	Applied Differential Equations I	3
MA 351	Introduction to Discrete Mathematical Models	3
MA 401	Applied Differential Equations II	3
MA 402	Mathematics of Scientific Computing	3
MA 403	Introduction to Modern Algebra	3
MA 405	Introduction to Linear Algebra	3
MA 407	Introduction to Modern Algebra for Mathematics Majors	3
MA 408	Foundations of Euclidean Geometry	3
MA 410	Theory of Numbers	3
MA 412	Long-Term Actuarial Models	3
MA 413	Short-Term Actuarial Models	3
MA 425	Mathematical Analysis I	3
MA 426	Mathematical Analysis II	3
MA 427	Introduction to Numerical Analysis I	3
MA 428	Introduction to Numerical Analysis II	3
MA 430	Mathematical Models in the Physical Sciences	3
MA 432	Mathematical Models in Life Sciences	3
MA 437	Applications of Algebra	3
MA 5**		
MAE 3**		
MAE 4**		
MAE 5**		
MIE 3**		
MIE 4**		
MSE 3**		
MSE 4**		
MSE 5**		
MUS 306	Music Composition with Computers	3
NE 3**		
NE 4**		
NE 5**		
OR 5**		
PHI 425	Introduction to Cognitive Science	3
PSY 307	Industrial and Organizational Psychology	3
PSY 340	Human Factors Psychology	3
PSY 400	Perception	3
PSY 420	Cognitive Processes	3
PSY 425	Introduction to Cognitive Science	3
PY 4**		
PY 5**		
ST 372	Introduction to Statistical Inference and Regression	3
ST 4**		
ST 5**		