

Financial Engineering Electives

2018-19 Catalog

Professional Electives

Course	Sem	Prerequisites	Substitution Prereq's
BFIN 420R: Investments I	F	BFIN 322, BFIN 357	ECNS 313, ECNS 345, and EIND 373
BFIN 435. Corporate Finance	F	BFIN 322, BFIN 357	ECNS 313, ECNS 345, and EIND 373
BFIN 456. Financial Mgmt for the Entrepreneur	F	BFIN 322	ECNS 345 and EIND 373
BMGT 405 Supply Chain Analytics	F	BFIN 322 or EIND 458	EGEN 325 or ECNS 345
ECNS 314. International Economics	F	ECNS 204 or 251	
ECNS 403R. Intro to Econometrics	F	ECNS 301, STAT 216, M 171	EIND 354 for STAT 216
EIND 425. Technology Entrepreneurship	F	EGEN 325	
EIND 434. Project and Engineering Management	F	Junior standing	
ECNS 490R: Undergraduate Research	F, S, Su	ECNS 204, junior standing, instructor approval	
EGEN 310R. Multidisciplinary Engineering Design	F, S, Su	Junior standing	
EGEN 492. Independent Study	F, S, Su	Junior standing	
BFIN 452. International Finance	S	BFIN 322	ECNS 345 and EIND 373
BFIN 458. Commercial Bank Management	S	BFIN 322	ECNS 345 and EIND 373
BFIN 460. Derivative Securities and Risk Mgmt	S	BFIN 322, BFIN 357	ECNS 313, ECNS 345, and EIND 373
ECNS 320: Public Finance	S	ECNS 204 or ECNS 251	
ECNS 432R. Benefit-Cost Analysis	S	ECNS 301	
BFIN 466. Investments II	On demand	BFIN 420R	

Technical Electives

Course	Sem	Prerequisites	Substitution Prereq's
CSCI 440. Database Systems	F	CSCI 232	
CSCI 446. Artificial Intelligence.	F even years	CSCI 232, CSCI 246	M 273 and M 274 for CSCI 246
CSCI 447. Machine Learning: Soft Computing	F odd years	CSCI 232, CSCI 246	M 273 and M 274 for CSCI 246
EIND 422. Introduction to Simulation	F	CSCI 111, EIND 354	CSCI 127 for CSCI 111
ESOF 322. Software Engineering	F	CSCI 232, WRIT 221	WRIT 221 waived. Contact CS dept. to enroll
M 441. Numerical Linear Algebra & Optimization	F	M 221, M 273	
STAT 421. Probability Theory	F	M 273, (recommended) M 242	
ECNS 501. Microeconomic Theory	S	ECNS 401	
ECNS 502. Macroeconomic Theory	S	ECNS 303	
ECNS 562. Econometrics II	S	ECNS 561	ECNS 461
EIND 455: DOE for Engineers	S	EIND 354	
EIND 458. Production & Engineering Mgmt	S	(co-req) EIND 464	
EIND 477. Quality Management Systems	S	EIND 354	
ESOF 422. Advanced Software Engineering	S even years	ESOF 322	
ESOF 522. Empirical Software Engr	S odd years	ESOF 322, STAT 216	EIND 354 for STAT 216
STAT 408. Statistical Computing and Graphical Analysis	S	STAT 217 or STAT 332 or STAT 401	EIND 354