

Financial Engineering Electives

2017-18 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
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	
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 460. Derivative Securities and Risk Management	S	BFIN 322, BFIN 357	ECNS 313, ECNS 345, and EIND 373
BFIN 458. Commercial Bank Management	S	BFIN 322	ECNS 345 and EIND 373
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 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