

**Bachelor of Science in Industrial Engineering
Concentration Form AY 2015-2016**

Select the courses you wish to count towards the concentration, and obtain your advisor's signature. Return to Professor Wilson in CI20 upon completion of concentration courses, but no later than advising week of your final quarter.

*Requires IEMS faculty approval
**Petition required

Economics and Finance	General Business Management	Industrial Behavioral Sciences
IEMS 373 Financial Engineering I Econ 308 Money and Banking Econ 309 Elements of Public Finance Econ 337 Economics of State and Local Gov't Econ 349 Industrial Economics Econ 361 International Trade Econ 362 International Finance Econ 380-1,2 Intro to Mathematical Economics Econ 381-1,2 Advanced Econometrics Econ 383 Economic Forecasting Math 366-1,2 Mathematical Models in Finance Math 364 Game Theory *IEMS 399	Bus Inst 239 Marketing Management **Bus Inst 394 Professional Linkage Seminar IEMS 306 Decision Analysis IEMS 325 Engineering Entrepreneurship IEMS 342 Organizational Behavior Econ 260 Accounting & Business Finance IMC 303 Advertising IMC 304 Direct Marketing *IEMS 399	CFS Chicago Field Studies (1 credit, petition req) Econ 339 Labor Economics Econ 350 Monopoly, Competition, & Pub. Policy IEMS 340 Field Project Methods IEMS 341 Social Networks Analysis IEMS 342 Organizational Behavior LOC 211 Intro. to Orgnzt Theory and Practice LOC 306 Studies in Organizational Change LOC 310 Orgntn. for Complex Environments Sociol 302 Sociology of Organizations *IEMS 399
	Statistics and Quality Control	
	Econ 281 Intro to Applied Econometrics IEMS 304 Statistical Methods for Data Mining IEMS 305 Statistical Methods of Quality Improv. IEMS 307 Quality Improv. by Experimental Dsgn Mat Sci 391 Process Design Mech Eng 359 Reliability Engineering Stats 325 Survey Sampling Stats 350 Regression Analysis Stats 351 Design and Analysis of Experiments *IEMS 399	Production and Logistics
Mathematical Sciences/Graduate Research		Civ Eng 371 Intro to Transp. Plan & Analysis Civ Eng 372 Transp. System Design & Analysis Civ Eng 376 Transportation System Operations Econ 355 Transport. Economics and Public Policy IDEA 344 Manufacturing Engineering Design IEMS 381 Supply Chain Modeling and Analysis IEMS 382 Production Planning and Scheduling IEMS 383 Service Operations Management *IEMS 399
EECS 311 Data Structures and Data Management ES APPM 346 Modeling and Cmptn in Sci & Eng EECS 328 Numerical Methods for Engineers Math 300-0 Foundations of Higher Mathematics Math 320-1,2,3 Real Analysis Math 330-1,2,3 Abstract Algebra Math 364 Game Theory *IEMS 399		

Four courses of one section must be completed to fulfill that *optional* concentration's requirements.

Concentration Chosen:		
	Course Number	Course Title
Course 1		
Course 2		
Course 3		
Course 4		

Name _____

ID _____

Date _____

Expected Grad Date (Month/Yr) _____

E-Mail _____

Student's Signature _____

Date _____

Advisor's Signature _____

Date _____

Program Chair's Signature _____

Date _____