

**Bachelor of Science in Industrial Engineering
Concentration Form AY 2021-2022**

Select the courses you wish to count towards the concentration, and obtain your advisor's signature. Return to Professor Wilson in CI46 upon completion of concentration courses, but no later than advising week of your final quarter.

*Requires IEMS faculty approval

**Graduate level course; contact the Farley Center

Management Science	Healthcare & Humanitarian Logistics	Entrepreneurship
Econ 339 Labor Economics Econ 350 Monopoly, Competition, & Pub. Policy IEMS 325 Engineering Entrepreneurship IEMS 340 Field Project Methods IEMS 341 Social Networks Analysis IEMS 342 Organizational Behavior IEMS 343 Project Management IEMS 344 Whole-brain Leadership IEMS 345 Negotiations for Engineers LOC 306 Studies in Organizational Change LOC 310 Orgntn. for Complex Environments LOC 311 Tools for Organizational Analysis Sociol 302 Sociology of Organizations *IEMS 399	Econ 307 Economics of Medical Care Econ 359 Economics of Nonprofit Organizations Gbl_Hlth 301 Intro to International Public Health IEMS 365 Analytics for Social Good IEMS 383 Service Engineering and Mgmt IEMS 385 Introduction to Health Systems Soc_Pol 311 Social Policy and the US Health Care System *IEMS 399	Bus_Inst 390 Global Innovation Bus_Inst 394 Entrepreneurship IEMS 325 Engineering Entrepreneurship ENTREP 380 Financing Entrepreneurial Ventures ENTREP 395 Special Topics in Entrepreneurship ENTREP 419 Technical Entrepreneurship ENTREP 430 NUvention: Energy ENTREP 473 NUvention: Web +Media ENTREP 480 NUvention: Nanotechnology ENTREP 495 NUvention: TBA *IEMS 399
	Statistics and Data Analytics	
	Econ 281 Intro to Applied Econometrics Econ 381 Econometrics I IEMS 304 Statistical Methods for Data Mining IEMS 307 Quality Improv. by Experimental Dsgn IEMS 308 Data Science & Analytics IEMS 351 Optimization Methods for Data Sci. Mat Sci 391 Process Design Mech Eng 359 Reliability Engineering Stats 325 Survey Sampling Stats 350 Regression Analysis *IEMS 399	Production and Logistics
Mathematical Sciences/Graduate Research		Civ Eng 371 Intro to Transp. Plan & 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 Operations Engineering and Mgmt IEMS 383 Service Engineering and Mgmt *IEMS 399
COMP_SCI 214 Data Structures and Data Mgmt ES APPM 346 Modeling and Cmptn in Sci & Eng 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 _____