

Industrial Engineering & Business Courses

Any course at either UFRJ or UFJF that has a corresponding course at NCSU or at NCA&T has been approved for credit by the IE Department and the College of Engineering at NCSU and at NCA&T.

NCSU North Carolina State University	NCA&T North Carolina A&T University	UFRJ Federal University of Rio de Janeiro	UFJF Federal University of Juiz de Fora
Course Name	Course Name	Course Name	Course Name
ENG101 Intro. To Engineering			EPD002 Introducao a Engenharia de Producao II
IE210 Engr Graphics CAD		EEG206 Expressao Grafica I	PRO002 Fundamentos de Representacao Grafica I
		EEG207 Expressao Grafica II	PRO003 Fundamentos de Representacao Grafica II
IE216 Mfg Engr Practicum			
EC205 Fundamentals of Economics		EE1533 Introducao a Economia	
		EE1735 Contabilidade Gerencial	
IE311 Engr Economy	INEN260 Engr Economy	EE1634 Economia Engenharis	CAD050 Festao Fananceira I
	INEN262 Cost Engg		EPD029 Empreendedorism
	INEN289 Engg Teams & Leadership		
	INEN389 Global Issues for Engr		
IE316 Mfg Engr I Processes	INEN246 Industrial Production & Processes	EEK345 Eng. Proc. Mecanicos	EPD017 Processos Produtivos
IE352 Work Analysis & Design	INEN255 Methods Engineering	EE1325 Eng de Metodos	
IE361 Deterministic Models	INEN330 Deterministic Models	EE1643 Pesquisa Operac. I	EPD015 Pesquisa Operacional
IE401 Stochastic Processes	INEN335 Stochastic Models	EE1744 Pesquisa Operac. II	
IE408 Production Control	INEN355 Production Control	EE1756 Plan. Cont. Producao I	EPD022 Plan. Cont. Producao I
can also be substituted for IE408		EE1757 Plan. Cont. Producao II	
IE416 Mfgr Engr II Automation	INEN346 Automation and Production Systems	EE714 Sist. Prod Cont. Num.	EPD030 Automacao da Producao
IE417 Mfgr Engr III CIM (Database Apps)	INEN424 CAD & CAM	EE1815 Manuf. Int. Comp.	
IE441 Simulation	INEN415 Simulation of Prod. Systems	EE1845 Simulacao	EPD019 Modelagem e Simulacao
IE443 Quality Control	INEN325 Quality Control	EE1753 Controle de Qualidade	EPD027 Controle de Qualidade
IE452 Ergonomics	INEN370 Ergonomics	EE1426 Eng de Trabalho	EPD014 Errgonomia
			EPD021 Organizacao do Trabalho e Producao
IE453 Facilites Design & Logistics	INEN365 Plant Layout & Material Handling	EE1754 Planej. Das Instalacoes (Plant Layout & Equipment Location)	EPD023 Projeto de Fabrica e Lay Out
IE498 Sr. Design	INEN495 Sr. Design	EEIX01 Proj. Fim de Curso	CEP002 Trabalho de Conclusao de Curso
	INEN485 System Integration		

Business Classes at UFRJ

Nearly all business classes have Engineering Economy (IE311 at NCSU or INEN260 at NCA&T) as a prerequisite

EE1932	Managerial Finance pre: EE1735 (Introductory Accounting course)
EE1933	Brazilian Economic Issues pre: EE1533 (Introductory Economics course)
EE1031	Investment Analysis pre: EE1634 (Engineering Economy course)
EE1032	Project Feasibility Analysis pre: EE1634 (Engineering Economy course)
EE1934	Marketing no prerequisite
EE1021	Human Resource Mgmt pre: EE1722
EE1959	Maintenance Mgmt no prerequisite
EE1055	Information Mgmt pre: EE1652 (computer programming course)
EE1050	Strategic Planning
EE1958	Logistics pre: EE1744 (OR I, math programming & OR II, stochastic processes)
EE1054	Project Mgmt & Concurrent Engg no prerequisites