

NCSU Industrial Engineering

(Unofficial Community Colleges to NCSU Curriculum)

Degree Earned: NCSU Bachelor of Science in Industrial Engineering
 Effective: 2017-2018

Transfer GPA = 3.5

Grey Highlighted Courses – Take Courses at NCSU

FRESHMAN YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
CHM 151	CH 101 Chemistry -- A Molecular Science	3		GEP Requirement (Humanities)	3
CHM 151	CH 102 General Chemistry Lab	1	ECO 251	EC 205 Economics (or EC 201 or ARE 201) (GEP Social Sciences)	3
EGR 150	E 101 Intro to Engr & Problem Solving	1	MAT 272	MA 241 Calculus II	4
NCSU	E115 Intro to Computing Environment	1	PHY 251	PY 205 Physics for Engr & Science I	4
ENG 111 & ENG 112	ENG 101 Academic Writing & Research	4	PED 110	Health and Exercise Studies Course	1
MAT 271	MA 141 Calculus I	4			
PED 110	Health and Exercise Studies Course	1			
15			15		

SOPHOMORE YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	ISE 110 Comp Mod. For Engrs.	3	NCSU	ECE 331 Principles of Electrical Engr	3
NCSU	MSE 200 Mech Prop Struc Mat	3	NCSU	ISE 216 Prod Dev. and RP	3
MAT 273	MA 242 Calculus III	4	MAT 285	MA 303 Linear Analysis	3
PHY 252	PY 208 Physics for Engr & Science II	4	NCSU	ISE 215 Product Specification I	1
NCSU	ST 371 Intro Prob & Dist Theory	3	NCSU	ST 372 Intro Stat Inferences & Regression	3
			NCSU	Engr Science Elective	3
17			16		

JUNIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	ENG 331 Comm for Engr. and Tech	3	NCSU	ISE 352 Work Analysis and Design	4
NCSU	ISE 316 Mfg Engr I – Processes	3	NCSU	ISE 362 Stochastic Models in IE	3
NCSU	ISE 315 Product Specification II	1	NCSU	ISE 443 Quality Control	3
NCSU	ISE 441 Intro to Simulation	3	NCSU	Technical Elective	3
NCSU	ISE 361 Deter Models in IE	3	EGR 220	CE 214 Statics	3
NCSU	ISE 361 Deterministic Model in IE Ethics (GEP Requirement)	3			
16			16		

SENIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	ISE 311 Engr Economic Analysis	3	NCSU	ISE 498 Senior Design Project	3
NCSU	ISE 408 Cont of Prod & Ser Sys	3	NCSU	Technical Elective ⁷	3
NCSU	Technical Elective	3		GEP Requirement	3
NCSU	ISE 453 Production System Design	3	HUM 110	GEP Requirement	3
	GEP Requirement	3		GEP Requirement	2-3
15			14-15		

NCSU - Minimum Credit Hours Required for Graduation in Industrial Engineering

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