

North Carolina State University

Industrial Engineering Curriculum (Effective 2014-03-01)

2 + 2 Program with UNC Asheville

FALL SEMESTER

SPRING SEMESTER

Freshman Year (UNC Asheville)

MATH 191	Calculus I	4	MATH 192	Calculus II	4
LANG 120	Academic Writing & Crit Inquiry	4	ECON 102	Prin of Microeconomics (GEP)	3
E 101	Intro to Engr & Prob Solv	1	XXX	GEP Course	3
CHEM 111	General Chemistry Lab	1	PHYS 221	Physics I	<u>4</u>
CHEM 132	General Chemistry	3			14
XXX	GEP Course	<u>3</u>			
		16			

Sophomore Year (UNC Asheville)

MATH 291	Calculus III	4	STAT 425	Intro to Probability Theory	3
PHYS 222	Physics II	4	XXX	GEP Course	3
MSE 201	Struc & Prop of Engr Matls	3	XXX	GEP Course	3
MAE 206	<i>Engineering Statics</i>	<u>3</u>	XXX	GEP Course	3
		14	XXX	Technical Elective	<u>3</u>
					15

Junior Year (NC State)

ISE 216	Prod Devel & Rapid Prototyp'g	3	ISE 352	Fund of Human Machine Sys	4
ISE 110	Comp Modeling for Engrs	3	ISE 315	Intro to Comp Aided Mfg	1
ISE 361	Deterministic Models in IE	3	ISE 316	Mfg Engr I - Processes	3
ISE 441	Introduction to Simulation	3	ISE 362	Stochastic Models in IE	3
MA 303	Linear Analysis	3	ECE 331	Prin of Electrical Engr	3
ISE 215	Fndns Design & 3D Modeling	1	ST 372	Intro to Stat Infer & Regr	<u>3</u>
E 115	Intro to Computing Environ	<u>1</u>			17
		17			

Senior Year (NC State)

ISE 311	Engr Economic Analysis	3	ISE 498	Senior Design Project	3
ISE 408	Cont of Prod & Serv Systems	3	ISE 443	Quality Design & Control	3
ISE 453	Design Prod, Logis & Serv Sys	3	XXX	Engr Science Elective	3
XXX	Technical Elective	3	XXX	Technical Elective	3
HES XXX	Health Exercise Studies	1	HESF XXX	Health Exercise Studies	1
ENG 331	Commun for Engr & Tech	<u>3</u>	XXX	GEP Course (IP: Ethics Elective)	<u>3</u>
		16			16

Total hours shown: 125

Italics indicates the course is received from NC State by distance education technology.