

UNC Asheville Mechatronics

(Unofficial Community Colleges to UNC Asheville Curriculum)

Degree Earned: UNC Asheville Bachelor of Engineering – Concentration in Mechatronics Transfer GPA = 3.0
 Effective: 2016-2017 Grey Highlighted Courses – Take Courses at UNC Asheville

FRESHMAN YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
MAT 271	MATH 191 Calculus I	4	MAT 272	MATH 192 Calculus II	4
ENG 111 & ENG 112	LANG 120 Fndns of Academic Writing	4	PHY 251	PHYS 221 Physics I	4
CHM 151	CHEM 132 General Chemistry	3	NCSU	<i>ECE 109 Intro to Computer Systems</i>	3
CHM 151	CHEM 111 General Chemistry Lab	1	NCSU	<i>JEM 180 Intro to Mechatronics Lab</i>	2
EGR 150	E 101 Intro to Engr & Problem Solving	1	HIS 111	HUM 124 The Ancient World	4
NCSU	<i>JEM 123 Intro to CAD for Mec Engr</i>	1			
UNC-A	LA 178: First Year Colloquium	3			
17			17		

SOPHOMORE YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
MAT 273	MATH 291 Calculus III	4	NCSU	<i>ECE 211 Electric Circuits^</i>	4
PHY 252	PHYS 222 Physics II	4	EGR 212	<i>ECE 212 Fundamentals of Logic Design</i>	3
NCSU	<i>ECE 200 Intro to ECE Lab</i>	4	NCSU	<i>ECE 220 Analytic Foundations of EC</i>	3
NCSU	<i>ECE 209 Computer Systems Programming</i>	3	EGR 225	<i>MAE 208 Engineering Dynamics</i>	3
EGR 220	<i>MAE 206 Engineering Static</i>	3	ECO 251	ECON 102 Microeconomics	3
18			16		

JUNIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	<i>ECE 306 Intro to Embedded Systems</i>	3	NCSU	<i>ECE 310 Design of Complex Digital Systems</i>	3
NCSU	<i>JEM 360 Adv Mechatronics Design Lab</i>	2	NCSU	<i>MAE 214 Solid Mechanics</i>	3
NCSU	<i>MAE 315 Dynamics of Machines</i>	3	NCSU	<i>MAE 435 Principles of Automatic Control</i>	3
	<i>MAE 201 Engr Thermodynamics I</i>	3	NCSU	<i>ECE 456 Mechatronics</i>	3
ART	ARTS 310 Arts and Ideas	3	HIS 112	HUM 214 Medieval & Renaissance World	4
14			16		

SENIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
NCSU	<i>JEM 484 Senior Design Mechatronic Engr I</i>	3	NCSU	<i>MAE 316 Strength of Mech Components</i>	3
NCSU	<i>MAE 308 Fluid Mechanics</i>	3	UNC-A	<i>LA 478 Senior Capstone</i>	4
NCSU	HUM 324 The Modern World	4	NCSU	<i>JEM 485 Senior Design Mechatronics Engr II</i>	3
NCSU	<i>Approved Advised Elective</i>	3	UNC-A	STAT 225 Intro to Calc-based Statistics	4
NCSU	<i>MAE 310 Heat Transfer Fundamentals</i>	3			
16			14		

UNC Asheville - Minimum Credit Hours Required for Graduation in Mechatronics Engineering

128

Before transferring to UNC Asheville Mechatronics, please contact
 Email: mechatronics@unca.edu Phone: 828-251-6640