



Associates in Sciences Pathway – Applied Physics UNCP

Fall Term (15 hours)	Spring Term (13 hours)	Summer Term (4 hours)
<ul style="list-style-type: none"> <input type="checkbox"/> ACA 122 – College Transfer Success <input type="checkbox"/> ENG 111 – Writing and Inquiry <input type="checkbox"/> MAT 271 – Calculus I <input type="checkbox"/> CHM 151– General Chemistry I <input type="checkbox"/> PSY 150 – General Psychology 	<ul style="list-style-type: none"> <input type="checkbox"/> ENG 112 – Writing/Research in the Disciplines <input type="checkbox"/> POL 120 – American Government <input type="checkbox"/> MAT 272 – Calculus II <input type="checkbox"/> PHI 215 – Philosophical Issues 	<ul style="list-style-type: none"> <input type="checkbox"/> MAT 273 – Calculus III
Fall Term (16 hours)	Spring Term (12 hours)	
<ul style="list-style-type: none"> <input type="checkbox"/> MAT 152 – Statistical Methods <input type="checkbox"/> PHY 251 – General Physics I <input type="checkbox"/> COM 231 – Public Speaking <input type="checkbox"/> PED 111 – Physical Fitness I <input type="checkbox"/> BIO 110 – Principles of Biology 	<ul style="list-style-type: none"> <input type="checkbox"/> PED 110 – Fit and Well for Life <input type="checkbox"/> PHY 252 – General Physics II <input type="checkbox"/> SOC 210 – Introduction to Sociology <input type="checkbox"/> AST 151/151A – General Astronomy I and Lab 	<p>Placement into MAT 271 is required for this Pathway. If a student does not place into MAT 271, MAT 171 AND MAT 172 must be completed prior to starting this Pathway.</p>

Required Prerequisite Courses

ACA 085-Improving Study Skills, CIS 070-Fundamentals of Computing, DRE-Integrated Reading and Writing 096, 097, 098 DMA-Developmental Mathematics 10, 20, 30, 40, 50, 065

*Placement Testing, SAT/ACT scores, and/or recent high school GPA may be used to satisfy required prerequisite courses

This is a recommended pathway. Please see the reverse side for potential substitutions and options.

Associate in Science (A10400)

The Comprehensive Articulation Agreement (CAA) and the Independent Comprehensive Articulation Agreement (ICAA) enables North Carolina community college graduates of two-year associate in science programs who are admitted to constituent institutions of The University of North Carolina and to Signatory Institutions of North Carolina Independent Colleges and Universities to transfer with junior status. Community college graduates must obtain a grade of “C” or better in each course and an overall GPA of at least 2.0 on a 4.0 scale in order to transfer with a junior status. Courses may also transfer through bilateral agreements between institutions.

GENERAL EDUCATION (45 SHC) The general education common course pathway includes study in the areas of English composition; humanities and fine arts; social and behavioral sciences; natural sciences and mathematics. **UNIVERSAL GENERAL EDUCATION TRANSFER COMPONENT** (All Universal General Education Transfer Component courses will transfer for equivalency credit.)

English Composition (6 SHC) The following two English composition courses are required. **ENG 111** Writing & Inquiry (3 SHC) **ENG 112** Writing/Research in the Disciplines (3 SHC)

Select one course from the following from each group (6 SHC) **Group 1: Humanities/Fine Arts** **ART 111** Art Appreciation (3 SHC) **ART 114** Art History Survey I (3 SHC) **ART 115** Art History Survey II (3 SHC) **MUS 110** Music Appreciation (3 SHC) **MUS 112** Introduction to Jazz (3 SHC) **Group 2: Communications** **COM 231** Public Speaking (3 SHC) **ENG 231** American Literature I (3 SHC) **ENG 232** American Literature II (3 SHC) **ENG 241** British Literature I (3 SHC) **ENG 242** British Literature II (3 SHC) **PHI 215** Philosophical Issues (3 SHC) **PHI 240** Introduction to Ethics (3 SHC)

Social/Behavioral Sciences (6 SHC) Select two courses from the following from at least two different disciplines: **ECO 251** Principles of Microeconomics (3 SHC) **ECO 252** Principles of Macroeconomics (3 SHC) **HIS 111** World Civilizations I (3 SHC) **HIS 112** World Civilizations II (3 SHC) **HIS 131** American History I (3 SHC) **HIS 132** American History II (3 SHC) **POL 120** American Government (3 SHC) **PSY 150** General Psychology (3 SHC) **SOC 210** Introduction to Sociology (3 SHC)

Math (8 SHC) Select two courses from the following: **MAT 171** Precalculus Algebra (4 SHC) **MAT 172** Pre-calculus Trigonometry (4 SHC) **MAT 263** Brief Calculus (4 SHC) **MAT 271** Calculus I (4 SHC) **MAT 272** Calculus II (4 SHC)

Natural Sciences (8 SHC) Select 8 SHC from the following course(s): **BIO 111** General Biology I (4 SHC) and **BIO 112** General Biology II (4 SHC) **CHM 151** General Chemistry I (4 SHC) and **CHM 152** General Chemistry II (4 SHC) **PHY 151** College Physics I (4 SHC) and **PHY 152** College Physics II (4 SHC) **PHY 251** General Physics I (4 SHC) and **PHY 252** General Physics II (4 SHC)

ADDITIONAL GENERAL EDUCATION HOURS (11 SHC) An additional 11 SHC of courses should be selected from courses classified as general education within the Comprehensive Articulation Agreement. Students should select these courses based on their intended major and transfer university. Total General Education Hours Required: 45

AST 151/151A	CHM 151	ECO 252	HIS 111	MAT 263	PHY 151	SOC 210
BIO 110	CHM 152	ENG 241	HIS 112	MAT 271	PHY 152	SPA 111
BIO 111	COM 231	ENG 242	HIS 131	MAT 272	POL 120	
BIO 112	ECO 251	GEO 111	HIS 132	PHY 110/110A	PSY 150	

OTHER REQUIRED HOURS (15 SHC) Academic Transition (1 SHC) The following course is required: **ACA 122** College Transfer Success (1 SHC) An additional 14 SHC of courses should be selected from courses classified as pre-major, elective or general education courses within the Comprehensive Articulation Agreement. Students should select these courses based on their intended major and transfer university. *One semester hour of credit may be included in a 61 SHC associate in science program of study. The transfer of this hour is not guaranteed. Total Semester Hours Credit (SHC) in Program: 60-61* Students must meet the receiving university’s foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

ACC 120	BIO 110	CHM 151	ENG 114	HIS 236	MUS 151	PED 150	PSY 237
ACC 121	BIO 111	CHM 152	ENG 125	HUM 115	MUS 152	PED 151	PSY 241
ANT 210	BIO 112	CHM 251	ENG 231	HUM 160	MUS 241	PED 187	PSY 243
ART 111	BIO 120	CHM 252	ENG 232	HUM 230	MUS 242	PED 240	PSY 263
ART 114	BIO 130	CIS 110	ENG 241	MAT 143	PED 110	PED 252	PSY 281
ART 115	BIO 140/140A	CIS 115	ENG 242	MAT 152	PED 111	PED 256	REL 110
ART 117	BIO 150	CJC 111	ENG 261	MAT 171	PED 112	PHI 215	REL 211
ART 121	BIO 163	CJC 121	ENG 262	MAT 172	PED 117	PHI 240	REL 212
ART 122	BIO 168	CJC 141	GEO 111	MAT 263	PED 118	PHS 130	REL 221
ART 131	BIO 169	COM 110	HEA 110	MAT 271	PED 119	PHY 110/110A	SOC 210
ART 132	BIO 250	COM 120	HEA 112	MAT 272	PED 120	PHY 151	SOC 213
ART 231	BIO 271	COM 140	HEA 120	MAT 273	PED 122	PHY 152	SOC 220
ART 240	BIO 275	COM 150	HIS 111	MUS 110	PED 123	PHY 251	SOC 225
ART 241	BIO 280	COM 231	HIS 112	MUS 111	PED 125	PHY 252	SPA 111
ART 250	BUS 110	CSC 139	HIS 116	MUS 112	PED 126	POL 120	SPA 112
ART 275	BUS 115	CSC 151	HIS 121	MUS 113	PED 138	POL 130	
ART 281	BUS 137	ECO 251	HIS 122	MUS 114	PED 139	POL 210	
ART 283	CHM 131/131A	ECO 252	HIS 131	MUS 141	PED 140	POL 220	
AST 151/151A	CHM 132	ENG 113	HIS 132	MUS 142	PED 148	PSY 150	