

This chart shows how biology, chemistry, math, and physics courses taken at any NC community college will transfer to Guilford College. Only courses passed with a grade of C or higher are eligible for transfer credit.

Some NC community college courses do not have a direct Guilford equivalent. Those courses still transfer as Critical Base (General Education) requirements or elective credits.

To learn more about the biology, chemistry, math, and physics courses required for specific majors, please refer to the Guilford College Catalog at <https://catalog.guilford.edu/catalog/academic-departments-majors/>

**NC Community College Course**

**Guilford College Equivalent**

**Biology**

BIO 110 Principles of Biology	BIOL 150 Biology Elective
BIO 111 General Biology I	BIOL 203 Intro Bio: Molecules & Cells
BIO 112 General Biology II	BIOL 202 Intro Bio: Ecology & Evolution
BIO 120 Introductory Botany	BIOL 215 General Botany
BIO 130 Introductory Zoology	BIOL 150 Biology Elective
BIO 140 Environmental Biology	BIOL 150 Biology Elective
BIO 155 Nutrition	SPST 314 Perspectives in Sport & Exercise Nutrition
BIO 161 Introduction to Human Biology	BIOL 209 Human Biology
BIO 163 Basic Anatomy & Physiology	BIOL 150 Biology Elective
BIO 168 Anatomy & Physiology I	*See note below
BIO 169 Anatomy & Physiology II	**See note below
BIO 175 General Microbiology	BIOL 150 Biology Elective
BIO 242 Natural Resource Conservation	BIOL 250 Biology Elective
BIO 243 Marine Biology	BIOL 250 Biology Elective
BIO 250 Genetics	BIOL 250 Biology Elective
BIO 265 Cell Biology	BIOL 250 Biology Elective
BIO 275 Microbiology	BIOL 250 Biology Elective

\*BIO 168 counts as BIOL 250 Biology Elective, except for students majoring in Exercise & Sport Sciences (ESS). BIO 168 transfers as BIOL 341 Anatomy & Physiology II for ESS majors.

\*\*BIO 169 counts as BIOL 250 Biology Elective, EXCEPT for students majoring in Exercise and Sport Sciences (ESS). BIO 169 transfers as BIOL 342 Anatomy & Physiology II for ESS majors.

**NC Community College Course**

**Guilford College Equivalent**

<b>Chemistry</b>	
CHM 130 General, Organic, & Biochemistry	CHEM 150 Special Topics Elective
CHM 131 Introduction to Chemistry	CHEM 150 Special Topics Elective
CHM 132 Organic & Biochemistry	CHEM 150 Special Topics Elective
CHM 151 General Chemistry I	CHEM 111 Chemical Principles I
CHM 152 General Chemistry II	CHEM 112 Chemical Principles II
CHM 251 Organic Chemistry I	CHEM 231 Organic Chemistry I
CHM 252 Organic Chemistry II	CHEM 232 Organic Chemistry II
CJC 251 Forensic Chemistry I	CHEM 250 Special Topics Elective
CJC 251 Forensic Chemistry II	CHEM 250 Special Topics Elective

**NC Community College Course**

**Guilford College Equivalent**

<b>Math</b>	
MAT 110 Math Measurement & Literacy	Does not transfer as math
MAT 121 Algebra/Trigonometry I	MATH 114 College Algebra
MAT 143 Quantitative Literacy	MATH 150 Math Elective
MAT 152 Statistical Methods I	MATH 112 Elementary Statistics
MAT 171 Precalculus Algebra	MATH 114 College Algebra
MAT 172 Precalculus Trigonometry	MATH 116 Trigonometry
MAT 252 Statistical Methods II	MATH 250 Math Elective
MAT 263 Brief Calculus	MATH 250 Math Elective
MAT 271 Calculus I	MATH 220 Calculus I: Differential Cal
MAT 272 Calculus II	MATH 222 Calculus II: Integral Calculus
MAT 273 Calculus III	MATH 224 Cal III: Multivariable Calculus
MAT 280 Linear Algebra	MATH 325 Linear Algebra
MAT 285 Differential Equations	MATH 302 Differential Equations

**NC Community College Course****Guilford College Equivalent****Physics & Astronomy**

AST 111 Descriptive Astronomy	PHYS 150 Physics Elective
AST 151 General Astronomy I	PHYS 107 The Solar System
AST 152 General Astronomy II	PHYS 108 Realm of the Stars
PHY 110 Conceptual Physics	PHYS 150 Physics Elective
PHY 121 Applied Physics I	PHYS 150 Physics Elective
PHY 122 Applied Physics II	PHYS 150 Physics Elective
PHY 131 Physics – Mechanics	PHYS 211 College Physics I
PHY 133 Physics – Sound & Light	PHYS 150 Physics Elective
PHY 151 College Physics I	PHYS 211 College Physics I
PHY 152 College Physics II	PHYS 212 College Physics II
PHY 251 General Physics I	PHYS 121 Classical & Modern Physics I
PHY 252 General Physics II	PHYS 122 Classical & Modern Physics II