## **University of North Georgia**

**Secondary Education: Biology** 

Name: ID#: Grad. Semester: Catalog:

**Institutional Priority (7 hrs.)** 

Hrs. Grd.

Major Courses (33 hrs.)

Hrs. Grd.

Modern Lang.\*

Global

\*Modern language courses at the 1001 and 1002 level are 4 credit hours.

Mathematics & Quantitative Skills\* (3 hrs.)

\*Complete by 30 hours. \*\*

3 or higher is re uired.

Political Science and U.S. History (3 hrs.)

Citizenship

Guided Electives (9 hrs of 3/4000 BIOL or CHEM)

Arts, Humanities, and Ethics (6 hrs.)

Lit or Lang.

Fine Arts/Phil.

**Education Courses (30hrs) Admittance Required** 

Communicating in Writing\* (6 hrs.)

English 1101

English 1102

\*A grade of C or higher is required. Complete by 30 hours.

Technology, Mathematics, & Sciences (11 hrs.)

Lab Science

Lab Science

Math & Tech.

Social Sciences (6 hrs.)

Behavioral Sci.

Social Science

Field of Study (18 hrs.)

\*SCED 4003 must be completed with a B or higher. \*\*Complete content coursework with a grade of "C" or higher.

Comments:

**Graduation Requirements:** 

**US** Constitution

**GA History US History** 

39 Hours at 3/4000 Level 30 Residency Hours

**GA Constitution** 

Minimum 2.0 Institutional & Cumulative GPA

Minimum 60 Core Hours & 120 Semester Hours 21 Hours at the 3000/4000 Level in Major

Military Science - Cadets Only

Hrs. Chk. Course

Hrs. Chk. Course

**PME Requirement for Contracting Cadets** 

Hrs. Grd.

## **UNIVERSITY OF NORTH GEORGIA CORE IMPACTS**

Courses may have prerequisites or registration restrictions.
Review course descriptions in the Academic Catalog before registering.
Courses may appear in multiple areas, but cannot be applied to more than one area.

IN	STITUTIONAL PRIORITY (7 HOURS)	
MODERN LANGUAGE	(3-4 HOURS). CHOOSE ONE:	
Any Non-English Langua	age at the 1001, 1002, 2001, or 2002 Level	3-4
GLOBAL (3-4 HOURS).	CHOOSE ONE OR TWO:	
ANTH 1102	Introduction to Anthropology	3
CGLO 1503	Contemporary Global Topics	3
COMM 1503	Intercultural Communication	3
DVRS 1503	Studies in Diversity Issues	3
ENGL 2111	World Literature I	3
ENGL 2112	World Literature II	3
ENGL 2160	Multicultural American Literature	3
ENST 2030	Environmental Studies & Sustainability	3
GEOG 1101	Introduction to Human Geography	3
GEOG 1102	World Regional Geography	3
HIST 1111	World History I	3
HIST 1112	World History II	3
HIST 2860/RELG 2860	History of World Religions	3
NED 2902/2903	Special Topics in International Perspectives	2-3
PHIL 2200	Ethics from a Global Perspective	3
POLS 1153	Global Citzenship	3
POLS 2301	Introduction to Comparative Politics	3
POLS 2401	Global Issues	3
SOCI 1160	Introduction to Social Problems	3
MATHEMA	ATICS & QUANTITATIVE SKILLS (3 HOURS)	
MATHEMATICS (3 HOL	JRS). CHOOSE ONE:	
MATH 1001	Quantitative Skills & Reasoning	3
MATH 1101	Mathematical Models	3
MATH 1111	College Algebra	3
MATH 1113	Pre-Calculus	3
MATH 1450 (1501)	Calculus I (1 hour can be used elsewhere)	4
MATH MATH 1111 recom MATH 1113 or 1450 r	I 1111 or higher required for Nursing majors. Imended for Business majors (required for BBA degra required for all College of Science and Mathematics of	ees).
MATH MATH 1111 recom MATH 1113 or 1450 r POLITICA CITIZENSHIP (3 HOUR:	I 1111 or higher required for Nursing majors. Interpretation of the Markette o	ees).
MATH MATH 1111 recom MATH 1113 or 1450 r POLITICA CITIZENSHIP (3 HOURS HIST 2111	I 1111 or higher required for Nursing majors. Interpretation of the Markette o	ees).
MATH MATH 1111 recom MATH 1113 or 1450 r POLITICA CITIZENSHIP (3 HOURS HIST 2111 HIST 2112	I 1111 or higher required for Nursing majors. Interpretation of the properties of the second	ees). degrees.
MATH MATH 1111 recom MATH 1113 or 1450 r POLITICA CITIZENSHIP (3 HOUR: HIST 2111 HIST 2112 POLS 1101	I 1111 or higher required for Nursing majors. In mended for Business majors (required for BBA degrated for all College of Science and Mathematics of AL SCIENCE AND U.S. HISTORY (3 HOURS)  S). CHOOSE ONE:  U.S. History I  U.S. History II  American Government	ees). degrees.
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MATH MATH 1111 recom MATH 1113 or 1450 n POLITICA CITIZENSHIP (3 HOURS HIST 2111 HIST 2112 POLS 1101 ART LITERATURE OR LANG Any Non-English Langua	I 1111 or higher required for Nursing majors. Immended for Business majors (required for BBA degrated for all College of Science and Mathematics of AL SCIENCE AND U.S. HISTORY (3 HOURS)  S). CHOOSE ONE:  U.S. History I  U.S. History II  American Government  S, HUMANITIES, & ETHICS (6 HOURS)  GUAGE (3 HOURS) CHOOSE ONE:	ees). degrees.
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MATH MATH 1111 recom MATH 1113 or 1450 r POLITICA CITIZENSHIP (3 HOURS HIST 2111 HIST 2112 POLS 1101 ART LITERATURE OR LANG Any Non-English Langua ENGL 2111 ENGL 2115 ENGL 2121	I 1111 or higher required for Nursing majors. Immended for Business majors (required for BBA degrated for all College of Science and Mathematics of AL SCIENCE AND U.S. HISTORY (3 HOURS)  S). CHOOSE ONE:  U.S. History I  U.S. History II  American Government  S, HUMANITIES, & ETHICS (6 HOURS)  GUAGE (3 HOURS) CHOOSE ONE:  age at the 2001 or 2002 Level  World Literature I  World Literature II  Gender and Literature	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MATH MATH 1111 recom MATH 1113 or 1450 n POLITICA CITIZENSHIP (3 HOUR: HIST 2111 HIST 2112 POLS 1101 ART LITERATURE OR LANG	I 1111 or higher required for Nursing majors. Immended for Business majors (required for BBA degrated for all College of Science and Mathematics of AL SCIENCE AND U.S. HISTORY (3 HOURS)  S). CHOOSE ONE:  U.S. History I  U.S. History II  American Government  S, HUMANITIES, & ETHICS (6 HOURS)  GUAGE (3 HOURS) CHOOSE ONE:  age at the 2001 or 2002 Level  World Literature I  World Literature II  Gender and Literature  British Literature II  American Literature II  American Literature II  American Literature II	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
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MATH 1111 recom MATH 1111 recom MATH 1113 or 1450 n POLITICA CITIZENSHIP (3 HOURS HIST 2111 HIST 2112 POLS 1101 ART LITERATURE OR LANG Any Non-English Langua ENGL 2111 ENGL 2112 ENGL 2115 ENGL 2121 ENGL 2122 ENGL 2131 ENGL 2132 ENGL 2132 ENGL 2143 ENGL 2143 ENGL 2145 ENGL 2160 ENGL 2160 ENGL 2165 Note: A "C" or better in FINE ARTS OR PHILOS ART (S) 1100 ART 2510 ART 2520	Introduction to Art History I	3   3   3   3   3   3   3   3   3   3
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MATH 1111 recom MATH 1111 recom MATH 1113 or 1450 n POLITICA CITIZENSHIP (3 HOURS HIST 2111 HIST 2112 POLS 1101 ART LITERATURE OR LANG Any Non-English Langua ENGL 2111 ENGL 2112 ENGL 2115 ENGL 2121 ENGL 2122 ENGL 2131 ENGL 2132 ENGL 2132 ENGL 2143 ENGL 2143 ENGL 2145 ENGL 2160 ENGL 2160 ENGL 2165 Note: A "C" or better in FINE ARTS OR PHILOS ART 2510 ART 2520 COMM 1110 COMM 2050	Introduction to Art History II  Affican American Literature  British Literature II  American Activerature II  American Literature II  Affican American Literature  But its American Literature  Native American Literature  Survey of Latina/o U.S. Literature  ENGL 1102 is a prerequisite for ENGL 21XX and ME SOPHY (3 HOURS). CHOOSE ONE:  Art Appreciation  Introduction to Art History II  Public Speaking	3   3   3   3   3   3   3   3   3   3
MATH 1111 recom MATH 1111 recom MATH 1113 or 1450 n POLITICA CITIZENSHIP (3 HOURS HIST 2111 HIST 2112 POLS 1101 ART LITERATURE OR LANG Any Non-English Langua ENGL 2111 ENGL 2112 ENGL 2115 ENGL 2121 ENGL 2122 ENGL 2131 ENGL 2131 ENGL 2143 ENGL 2145 ENGL 2145 ENGL 2160 ENGL 2166 Note: A "C" or better in FINE ARTS OR PHILOS ART 2510 ART 2510 ART 2520 COMM 1110 COMM 2050 MDST 1110	Introduction to Art History II  African American Literature British Literature II American Authorian Literature British Literature II American Authorian Literature British Literature II American Literature II African American Literature  Native American Literature  Survey of Latina/o U.S. Literature  ENGL 1102 is a prerequisite for ENGL 21XX and MEROPHY (3 HOURS). CHOOSE ONE:  Art Appreciation Introduction to Art History II Public Speaking Media, Culture, and Society	3   3   3   3   3   3   3   3   3   3
MATH 1111 recom MATH 1111 recom MATH 1113 or 1450 n POLITICA CITIZENSHIP (3 HOUR: HIST 2111 HIST 2112 POLS 1101  ART LITERATURE OR LANC Any Non-English Langua ENGL 2111 ENGL 2112 ENGL 2115 ENGL 2121 ENGL 2122 ENGL 2131 ENGL 2132 ENGL 2143 ENGL 2143 ENGL 2145 ENGL 2145 ENGL 2145 ENGL 2145 ENGL 2150/MDST 2150 ENGL 2165 Note: A "C" or better in	International Company of the Company	3   3   3   3   3   3   3   3   3   3

WRITING (6 HOURS).	TAKE BOTH:	Ī
ENGL 1101	English Composition I	T
ENGL 1102	English Composition II	+
	r better is required in both ENGL 1101 & ENGL 1102.	_
	GY, MATHEMATICS, & SCIENCES (11 HOURS)	
		_
	CONSULT WITH AN ADVISOR:	_
•	URS). CHOOSE TWO, IN A SEQUENCE:	_
	RS (8 HOURS). CHOOSE ANY TWO:	_
ASTR 1010/L	Astronomy of the Solar System and Lab	1
ASTR 1020/L	Stellar and Galactic Astronomy and Lab	1
BIOL 1012K	Introduction to Biology II and Lab	
BIOL 1101K/1011K	Biology: A Human Perspective/Intro. to Biology I and Lab	
BIOL 1102K	Introduction to Ecology and Lab	T
BIOL 1107K	Principles of Biology I and Lab	T
BIOL 1108K	Principles of Biology II and Lab	Ť
BIOL 1260K	Environmental Science and Lab	†
	Survey of Chemistry I and Lab	+
, ,	•	+
CHEM 1152/L (1152K)	•	+
	Principles of Chemistry I and Lab	+
	Principles of Chemistry II and Lab	+
ENVS 2111K	Physical Environmental Science and Lab	1
ENVS 2112K	Environmental Management & Sustainability and Lab	1
GEOG 1111K	Introduction to Physical Geography and Lab	
GEOG 1112/L	Introduction to Weather & Climate and Lab	
GEOG/GEOL 1530K	Introduction to Oceanography and Lab	T
GEOL 1101K	Survey of Environmental Geohazards and Lab	Ť
GEOL 1121K	Physical Geology and Lab	Ť
GEOL 1122K	Historical Geology and Lab	†
	Introductory Physics I and Lab	†
PHYS 1112/L (1112K)	Introductory Physics II and Lab	+
` ,		+
PHYS 2211/L (2211K)	Principles of Physics I and Lab	+
PHYS 2212/L (2212K)	Principles of Physics II and Lab	_
	ECHNOLOGY (3 HOURS). CHOOSE ONE:	_
MATH 1113	Pre-Calculus	+
MATH 1401	Elementary Statistics	+
MATH 1450 (1501)	Calculus I (1 hour can be used elsewhere)	1
MATH 2040	Brief Calculus	1
MATH 2460	Calculus II (1 hour can be used elsewhere)	1
MATH 2510	Introduction to Discrete Mathematics	
CSCI 1250	Information Technologies (non-science majors)	T
CSCI 1301 (1301K)	Computer Science I	T
CSCI 1371	Computing for Scientists and Engineers*	Ť
DATA 1501	Introduction to Data Science (non-science majors)	Ť
GISC 2011/L	Geographic Information Science and Lab	†
	ts majoring in Physics or Dual Degree/Engineering Progran	ns
	SOCIAL SCIENCES (6 HOURS)	
DELLANGODAL COIENG		
	E (3 HOURS). CHOOSE ONE:	_
ANTH 1102	Introduction to Anthropology	+
ECON 2105	Principles of Macroeconomics	1
ECON 1101	Economics of Financial Literacy	1
PSYC 1101	Introduction to Psychology	
SOCI 1101	Introduction to Sociology	
SOCIAL SCIENCE (3 H	IOURS). CHOOSE ONE:	
ENST 2030	Environmental Studies & Sustainability	T
GEOG 1101	Introduction to Human Geography	Ť
GEOG 1102	World Regional Geography	†
HIST 1111	World History I	+
	•	+
HIST 1112	World History II	+
HIST 2111	U.S. History I	+
HIST 2112	U.S. History II	1
POLS 1101	American Government	1
POLS 2301	Introduction to Comparative Politics	
POLS 2401	Global Issues	

Revised 2025

## **Notes**

- Students pursuing a Bachelor's degree are encouraged to begin taking 3/4XXX level courses once they have met the prerequisites to do so.
- IMPACTS courses can be taken in any order and/or can be taken later to allow students to take major courses sooner.
- All students must complete Writing and Math IMPACTS requirements within the first 30 credit hours.
- A "C" or better grade is required in ENGL 1101 and ENGL 1102.
- Check all courses for prerequisites to ensure eligibility to enroll.
- Minimum 120 hrs. required to complete a Baccalaureate degree.
- Minimum institutional GPA and overall GPA of 2.0 required for graduation. Specific majors and degrees may have higher GPA requirements for graduation.

## **Major Information**