## Prerequisites & Foundation Courses

### 2017-2018

### COLLEGE OF ARTS AND SCIENCES

### ANTHROPOLOGY:
- **ANT 2000** Intro to Anthropology
- Additional lower level anthropology course

### ART:
- **ART 1201C** Two-dimensional design
- **ART 1300C** Drawing I
- **ART 2203C** Three-dimensional design
- **ART 2301C** Drawing II
- **ARH 2050** Art History Survey I
- **ARH 2051** Art History Survey II
- Select art media electives (ART/GRA/GPY prefix)
  - **ART 2605C** Basic Computing Images
  - **PGY 1800C** Digital Photography
  - **GRA 2190C** Intro to Graphic Design

### ART HISTORY:
- **ART 1201C** Two-dimensional design
- **ART 1300C** Drawing I
- **ARH 2050** Art History Survey I
- **ARH 2051** Art History Survey II
  - Must complete a foreign language sequence through the intermediate level

### BIOLOGY:
- **(Coastal Environmental Science, Coastal Biology, Ecology & Evolutionary Biology, Molecular/Cell Biology and Biotechnology, Biomedical Sciences)**
- **BSC 1010C** General Biology I
- **BSC 1011C** General Biology II
- **CHM 2045/L** General Chemistry I w/ Lab*
- **CHM 2046/L** General Chemistry II w/ Lab*
- **CHM 2210/L** Organic Chemistry I w/ Lab
- **MAC 2311** G(M)Calculus I #
  - Select 1 course:
    - **CHM 2211/L** Organic Chemistry II w/ Lab
    - **CHM 3210C** Quant Analytical Chemistry
  - **STA 2014** G(M)Elem Stats-Hlth/SS
  - **MAC 2312** G(M)Calculus II

### CHEMISTRY:
- **(General, Biochemistry, Pre-Medical, Materials)**
- **CHM 2045/L** General Chemistry I w/ Lab*
- **CHM 2046/L** General Chemistry II w/ Lab*
- **CHM 2210/L** Organic Chemistry I w/ Lab
- **CHM 2211/L** Organic Chemistry II w/ Lab
- **PHY 2048/L** Calculus Physics I w/ Lab
- **PHY 2049/L** Calculus Physics II w/ Lab
- **MAC 2311** G(M)Calculus I #
- **MAC 2312** G(M)Calculus II

### COMMUNICATION:
- **Concentration: Advertising**
  - **MMC 1004** Media Literacy
  - **SPC 2608** Fundamentals of Speech
  - **STA 2023** G(M)Elem Stats-Business*
  - **ENC 3250** Professional Communication
  - **ADV 3812** Integrated Marketing
- **Concentration: Multimedia Journalism and Production, Public Relations**
  - **MMC 1004** Media Literacy
  - **SPC 2608** Fundamentals of Speech
  - **STA 2014** G(M)Elem Stats-Hlth/SS

### COMMUNICATION STUDIES:
- **SPC 2608** Fundamentals of Speech
- **STA 2014** G(M)Elem Stats-Hlth/SS
- **MMC 2701** Communicating Across Cultures (rec.)

### CRIMINAL JUSTICE:
- **STA 2014** G(M)Elem Stats-Hlth/SS
- **CCJ 2002** Crime in America (rec.)

### ECONOMICS:
- **ECO 2013** Macroeconomics
- **ECO 2023** Microeconomics
- **MAC 2311** G(M)Calculus I (rec.)

### ENGLISH/DRAMA:
- Two 1000/2000 level ENC courses.

### FRENCH STUDIES:
- **FRE 1120** Beginning French I
- **FRE 1121** Beginning French II
- **FRE 2240** Intermediate French I
- **FRE 2241** Intermediate French II

### HISTORY:
- Two 1000/2000 level history courses
  - (AMH/AFH/ASH/EUH/LAH/WOH prefix)
  - Additional lower level history courses (rec.)
  - **STA 2014** G(M)Elem Stats-Hlth/SS (rec.)

### INTERDISCIPLINARY STUDIES:
- Prerequisites vary based on student's goals

### INTERNATIONAL STUDIES:
- Choose 1 – (both rec.)
  - **INR 2002** Intro to Int'l Relations
  - **CPO 2002** Comparative Politics
  - **INS 3990** Intro to Int'l Studies
  - Must complete through the intermediate level in a foreign language sequence

### JAZZ STUDIES:
- Consult the Osprey Map or your advisor for details regarding program requirements.

### MATHEMATICS:
- **BA and BS**
  - **MAC 2311** G(M) Calculus I #
  - **MAC 2312** G(M) Calculus II
  - **MAC 2313** G(M) Calculus III
  - **MAP 2302** G(M) Ordinary Diff. Eq.
  - **1 Lab Science for Science Majors**
  - **1 Computer Programming Course**
    - (COP 2220 preferred)

### MUSIC PERFORMANCE:
- Consult the Osprey Map or your advisor for details regarding program requirements.

### MUSIC EDUCATION:
- Same prerequisites as listed under Music including the following:
  - **MUE 2990** Music Education
  - **EDF 2085** Diversity for Educators
  - **Sophomore Review of Applied Music**

### PHILOSOPHY:
- Two 1000/2000 level PHI courses (rec.)

### PHYSICS:
- **(General, Astrophysics, Pre-Medical, Material Science, Computer, Electrical, Mechanical)**
  - **CHM 2045/L** General Chemistry I w/Lab*
  - **CHM 2046/L** General Chemistry II w/ Lab*
  - **MAC 2311** G(M)Calculus I #
  - **MAC 2312** G(M)Calculus II
  - **MAC 2313** G(M)Calculus III
  - **PHY 2048/L** Calculus Physics I w/Lab
  - **PHY 2049/L** Calculus Physics II w/Lab
  - **PHY 1024** Explor. Majoring in Physics

### POLITICAL SCIENCE:
- **POS 2041** Intro to American Govt
- **STA 2014** G(M)Elem Stats-Hlth/SS (rec.)
  - Choose 1 - (both rec.)
  - **INR 2002** Intro to Int'l Relations
  - **CPO 2002** Comparative Politics

### PSYCHOLOGY:
- **(Psychology, Child Psychology, BA and BS)**
  - **PSY 2012** Intro to Psychology
  - **1 additional lower level psychology course**
  - **STA 2014** G(M)Elem Stats-Hlth/SS
  - **BSC XXXX** 3 credit biology course
  - **PSY 3021** Professional Opportunities in Psych Seminar

### RELIGIOUS STUDIES:
- **REL 2300** Comparative Religion

### SOCIAL WORK:
- **POS 2041** Intro to American Govt
- **PSY 2012** Intro to Psychology
- **SYG 2000** Intro to Sociology
- **BSC XXXX** 3 credit biology course
- **ECO 2XXX** 3 credit economics course
- **STA 2014** G(M) Elem Stats-Hlth/SS

### SOCIOLOGY:
- **(Sociology, Social Welfare)**
  - **SYG 2000** Intro to Sociology
  - **1 additional lower level sociology course**
  - **STA 2014** G(M)Elem Stats-Hlth/SS

### SPANISH:
- **SPN 1120** Beginning Spanish I
- **SPN 1121** Beginning Spanish II
- **SPN 2200** Intermediate Spanish I
- **SPN 2201** Intermediate Spanish II

### STATISTICS:
- **(BA and BS)**
  - **MAC 2311** G(M) Calculus I #
  - **MAC 2312** G(M) Calculus II
  - **MAC 2313** G(M) Calculus III
  - **1 statistics course**
  - **2 lab science courses for science majors**
  - **1 Computer Programming Course**
    - (COP 2220 preferred)

### UNF UNIVERSITY OF NORTH FLORIDA
COLLEGE OF BUSINESS
ACCOUNTING/ECONOMICS/FINANCE/ FINANCIAL SERVICES/ MARKETING/ MANAGEMENT/INTERNATIONAL BUSINESS/TRANSPORTATION & LOGISTICS:

MAC 2333  G(M-Calculus for Business*
STA 2023  G(M-Calculus for Business*
CGS 1100  Computer Apps for Business
ECO 2013  Macroeconomics
ECO 2023  Microeconomics
ACG 2021  Financial Accounting*
ACG 2071  Managerial Accounting

International Business majors must complete a foreign language sequence through the intermediate level. Both International Business and Economics require an international experience.

COLLEGE OF COMPUTING, ENGINEERING & CONSTRUCTION
ENGINEERING: (Civil, Electrical, Mechanical)

MAC 2311  G(M-Calculus I #
MAC 2312  G(M-Calculus II
MAC 2313  G(M-Calculus III
MAP 2302  G(M-Ord. Diff. Equations
CHM 2405/L General Chemistry I w/ Lab*
PHY 1041  Physics for Engineers I
PHY 20XXL Physics I Lab
PHY 2042  Physics for Engineers II
PHY 20XLL Physics II Lab
EGN 1001C Intro to Engineering Electrical & Mechanical also requires:
COP 2220  Computer Science I
Civil requires additional natural science

Select 1 course:
ESC 2000/L Earth Science w/ Lab
GLY 2010  Physical Geology
BSC 1010C General Biology I
BSC 3057  Intro to Environmental Studies

COMPUTER & INFORMATION SCIENCES:

Concentration: Computer Science

MAC 2311  G(M-Calculus I #
MAC 2312  G(M-Calculus II
PHY 2048/L Calculus Physics I w/Lab
PHY 2049/L Calculus Physics II w/ Lab
COP 2220  Computer Science I
Select 2 science courses for science majors
SPC 4064  Public Speaking for Professionals (preferred)

Concentration: Information Science/ Information Systems

MAC 2333  G(M-Calculus for Business*
STA 2023  G(M-Elem Stats-Business*
CGS 1100  Computer Apps for Business
COP 2551  Object-Oriented Programming
COP 2010  Visual & Procedural Programming
SPC 4064  Public Speaking for Professionals (preferred)

Information Systems also requires:
ECO 2013  Macroeconomics
ECO 2023  Microeconomics
ACG 2021  Financial Accounting*
ACG 2071  Managerial Accounting

Note: Courses with “C” at the end of course number indicate lecture and lab combined. (ex. BSC 2010C).
Courses with “L” indicate 1 credit lab is separate from the lecture. (ex: CHM 2045/L)

* prereq of MAC1105- College Algebra
@ prereq of BSC1010C- Gen Biology I w/ B or higher
# prereq of MAC1147- Pre-calculus
+ prereq of CHM2045/2045L - Gen Chem I & Lab
^ prereq of PHY2053/L - Alg Physics I & Lab
(rec.) = recommended

COLLEGE OF HEALTH
HEALTH SCIENCE:

Concentration: Public Health

BSC 1010C  General Biology I
CHM 2045/L General Chemistry I w/ Lab*
BSC 2085C  Anatomy & Physiology I @
BSC 2086C  Anatomy & Physiology II
MCB 2010C  Microbiology @, +
MAC 1105  G(M-College Algebra
STA 2014  G(M-Elem Stats-Hlt/SS
PSY 2012  Intro to Psychology
HSC 2100  Personal & Public Health

Concentration: Exercise Science

BSC 1010C  General Biology I
CHM 2045/L General Chemistry I w/ Lab*
BSC 2085C  Anatomy & Physiology I @
BSC 2086C  Anatomy & Physiology II
MAC 1105  G(M-College Algebra
STA 2014  G(M-Elem Stats-Hlt/SS
HUN 2201  Basic Prin. of Human Nutrition
PSY 2012  Intro to Psychology
SPC 2608  Fundamentals of Speech

HEALTH ADMINISTRATION:

STA 2014  G(M-Elem Stats-Hlt/SS
CGS 1100  Computer Apps for Business
ECO 2023  Microeconomics
ACG 2021  Financial Accounting*
ACG 2071  Managerial Accounting

NUTRITION & DIETETICS:

Concentration: Exercise Science

BSC 1010C  General Biology I
CHM 2045/L General Chemistry I w/ Lab*
BSC 2085C  Anatomy & Physiology I @
BSC 2086C  Anatomy & Physiology II
MCB 2010C  Microbiology @, +
MAC 1105  G(M-College Algebra
STA 2014  G(M-Elem Stats-Hlt/SS
FSS 1202/L Food Fundamentals I w/ Lab
HUN 2201  Basic Prin. of Human Nutrition

NURSING: coursework needed for native UNF students

BSC 1010C  General Biology I
CHM 2045/L General Chemistry I w/ Lab*
BSC 2085C  Anatomy & Physiology I @
BSC 2086C  Anatomy & Physiology II
MCB 2010C  Microbiology @, +
STA 2014  G(M-Elem Stats-Hlt/SS
PSY 2012  Intro to Psychology
DEP 3054  Lifespan Developmental Psychology
HUN 2201  Basic Prin. of Human Nutrition

* prereq of MAC1105- College Algebra
@ prereq of BSC1010C- Gen Biology I w/ B or higher
# prereq of MAC1147- Pre-calculus
+ prereq of CHM2045/2045L - Gen Chem I & Lab
^ prereq of PHY2053/L - Alg Physics I & Lab
(rec.) = recommended

Note: Courses with “C” at the end of course number indicate lecture and lab combined. (ex. BSC 2010C).
Courses with “L” indicate 1 credit lab is separate from the lecture. (ex: CHM 2045/L)