Welcome to UNF

It is our pleasure to welcome you to the University of North Florida and to your orientation program. We have designed the program with you in mind. The information you receive at orientation will help you become better acclimated to UNF.

We believe that orientation is a process, not merely an event. As you learn more about the university – today and in the coming months – you may have more questions. We hope this guide will answer your questions and address important elements of your academics here at UNF.

Should you have any questions regarding your transition to the university, please know that we are here to help and direct you and to address your concerns.

Again, welcome to the UNF community.

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Just as you may have found when you entered high school, you will discover that UNF offers entirely new opportunities and challenges that will require you to build on old skills as well as develop new ones.

Remember, you are here to get an education, both within and outside of the classroom. UNF provides many opportunities and support systems to aid you as you mature in all facets of your life.

At UNF, administrators, professors, and advisors expect students to take an active role in their education. However, we realize that in this new phase, students sometimes do not even know what to ask. We hope this orientation guide helps begin the process of empowering you, and that as you learn more and discover new questions, you will use the resources listed here. This guide will serve you as a new student at UNF and provide you with helpful information as you work toward graduation.

In order to reach your goal of graduation, you need to know about UNF’s academic structure and what is required to attain a degree in whatever field you chose. This is just an overview; we encourage you to talk with your advisors about different plans and the best path for you.

**Degree Components**

Basic degree requirements include three kinds of courses: general education, major, and electives.

**General Education.** General education courses are a great way to explore different areas as you decide on your major. General education courses include:

- Communication - 3 courses (9 credits)
- Critical Thinking - 4 courses (12 credits)
- Quantitative Reasoning and Analysis and Scientific Method - 3 or 4 courses (12 credits)
- Cross-Cultural Awareness, Experiential Learning or Integrative Learning - 1 course (3 credits)

It is important to note that the courses that would be best to take to satisfy your general education requirements will vary for different majors. You should consult with your academic advisor as you decide on a major so you will select appropriate courses to fulfill your requirements.

**Majors.** To attain a degree you must choose a major. UNF offers 57 majors with 81 different concentrations. Majors are designed to expose students to a depth of knowledge in a specific field of study. There are often opportunities within your major to do research or pursue a sub-field of interest.

**Electives.** Electives help you fulfill remaining graduation requirements and are a great way to explore different interests. Though electives are not a general education requirement, they can help expand your skill set.

**Minors.** While you are completing your major requirements, depending on your college, you may be able to pursue a minor. Some programs of study require a student to complete a minor, while in other programs, a minor is optional, but can be used to complement your major area of study.

**Academics at UNF**

**University Structure**

The University of North Florida has five colleges: the College of Arts and Sciences, the Brooks College of Health, the Coggin College of Business, the College of Computing, Engineering and Construction, and the College of Education and Human Services. UNF’s College of Arts and Sciences is our largest college and is also where most general education courses are taught.
Inside the Classroom

Credit hours. In high school you probably took classes in a traditional format or block schedule. At UNF, classes are set up on a credit-hour format, which roughly corresponds to the number of hours you spend in the classroom each week. Usually, classes are 3 credit hours, but can be anywhere between 1 and 4 credit hours.

A bachelor’s degree consists of a minimum of 120 credit hours, depending on the specific degree. The total number of credit hours you earn each year determines your class level (freshman, sophomore, etc.). For most degrees, a student must complete a minimum of 30 credit hours a year (fall, spring, and summer) to stay on track for graduation in four years. Work with your academic advisor to outline a timely graduation plan.

Professors. Professors are responsible for coordinating course material and giving the lectures for most classes. Getting to know your professors can enhance the learning environment. Additionally, knowing professors is a great way to get a feel for a certain field of study you may want to pursue. Many professors spend part of their time doing research; this keeps them connected to current trends and can help them provide information about what a field may look like in years to come. Professors also appreciate students who ask questions and take time to explore issues outside of class.

Studying. In high school, you probably spent around 35 hours a week in school. A typical course load at UNF can be anywhere from 12 to 18 hours. This means you will spend about that much time in class each week. In high school, teachers may have allowed time during class to do readings or homework; at UNF, most class time will be devoted to lecturing, discussion, or lab work.

You will be expected to do most of your studying on your own and probably more than you did in high school. Many professors recommend you spend at least two hours studying per week for every credit hour in class. For a 3-credit hour course, that means a minimum of 6 hours of studying outside of class. For a 15-credit hour semester, total time spent in class and outside should be at least 45 hours a week.

You will not have the structure that high school provided, so you will need to develop time management skills in order to be successful at UNF. School is your job! While this may seem like a lot of time, you will still be able to have a social life, get involved on campus, and even have a part-time job. Doing all of this will make you very busy, and good time management skills are a must.

Attendance. Students are expected to go to their class every time it meets. During examinations, you will be responsible for any material covered in lecture that might not be in your textbook. Additionally, some departments administratively drop students who do not attend the first day of class.

Placement. When you enter UNF, you will be placed into the appropriate math and English classes based on your placement tests, your SAT/ACT scores, and prior courses taken through accelerated mechanisms. Students will also be able to take a foreign language placement assessment for Spanish, French, German, or Chinese.

Transfer Credit. It is important that all transcripts from other colleges or universities are sent to UNF as soon as grades have been posted. Having up-to-date information is important for your advising appointments so you and your advisor know what requirements you have fulfilled. It is also important because your enrollment level depends on the number of credit hours completed.

You should speak with an advisor before you take classes at other schools, so you are sure the credits will transfer appropriately to UNF.

Time Breakdown for a student

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total hours in a week</td>
<td>168</td>
</tr>
<tr>
<td>Sleeping (8 hours a day)</td>
<td>56</td>
</tr>
<tr>
<td>Eating (2 hours a day)</td>
<td>14</td>
</tr>
<tr>
<td>Grooming (1 hour a day)</td>
<td>7</td>
</tr>
<tr>
<td>Class time (15 credit hours)</td>
<td>15</td>
</tr>
<tr>
<td>Studying (2 hours for each credit hour)</td>
<td>30</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>7</td>
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<tr>
<td>Total Hours</td>
<td>129</td>
</tr>
<tr>
<td>Time available for work and co-curricular activites</td>
<td>39</td>
</tr>
</tbody>
</table>
The Freshman Experience

It’s all about the first year. UNF places special emphasis on your freshman year experience on campus. We know that foundations built during this year are key to your success, so go ahead and get comfortable on campus, connect with the university, and start to think of UNF as home.

Your Freshman Year

At the University of North Florida we know that the first year is important in laying the right foundation for your success throughout your college career. The Freshman Experience (FE) is a student centered initiative designed to assist first year students in making a successful transition to college and to prepare you to make the most of your college experience. Below are your first steps to get involved with FE!

STEP 1 — Consider a Learning Community

Experiences that integrate your academic and social life create a deeper level of understanding and foster student success. The more you are academically and socially involved, the more likely you are to achieve your goals.

Living Learning Communities

Living and Learning Communities allow students with similar academic interests to connect their academic interests to their residential life including: taking classes together, living on the same floor in a residence hall, participating in out-of-class activities that enhance what they are learning in class, and creating meaningful relationships with faculty, staff and other LLC students. Listed below are some of the Living and Learning Communities which will be available to you.

Healthy Osprey

This community is a collaboration of students, faculty and staff working together to foster a community that embraces the development of a healthy body, mind and spirit. As a participant in the Healthy Osprey LLC you will get to be a part of all sorts of fun like organic gardening, high-ropes course, group fitness classes, healthy cooking demonstrations and much more.

Any first-year student committed to a substance-free lifestyle is welcome to join the Healthy Osprey community. You don’t have to be a fitness guru or even in shape for that matter. Any student who wants to be an all-around healthy person can be a part of the community.

Business

This community assists you in becoming a competitive candidate for a career in business. The Coggin LLC creates a cohort of students interested in many areas of business. Applicable majors include business management, accounting, finance, financial management, economics, marketing, international business, and transportation and logistics.

Honors

The UNF Honors Program is intentional in their efforts to create a living and learning environment within our Honors community. The goal is to create a seamless transition between learning in and outside of the classroom. Living learning communities heighten student intellectual and personal growth and promote a greater degree of engagement in campus life.

iHouse

The UNF International House (iHouse) is an on-campus community that offers an amazing opportunity for students with international interests to be exposed to global living right here on UNF’s campus! It’s a chance to live and experience every day in a unique international setting with others who are passionate about global issues and foreign languages. Participants will build friendships with students from around the world, learn about new cultures, and participate in exciting events that foster cross-cultural understanding. The iHouse is open to both American and international students.

Pre-Medical

This community assists you in becoming a competitive candidate for admission to professional schools in the medical field. The Pre-Med LLC creates a cohort of students interested in the medical profession. Applicable majors for this community include biology, chemistry and physics. Also, any student interested in pursuing graduate programs in pharmacy, dentistry or veterinary medicine is welcomed.

For additional information about Living and Learning Communities visit:

Housing and Residence Life Building 14B 620-4663 www.housing.unf.edu/llc.asp

UNF Osprey Tip

Managing your time well is a vital skill to being successful in college.

The earlier you learn your priorities and how to balance your time, the better you will do.
STEP 2 — Purchase and read the UNF Reads! book this summer

UNF Reads! is a common reading program designed to ease the entering student’s transition to college level work while creating a common intellectual experience for freshmen students. Many students will be reading Outliers: A Story of Success, by Malcolm Gladwell, as part of the UNF Reads! program. Several courses will include assignments related to the book, and throughout the fall semester, there will be a number of events on campus connected to it as well. Discounted copies of the book are available during orientation at the UNF bookstore, so go over and get yours today!

STEP 3 — Attend Week of Welcome

Want to join in UNF traditions, get involved and engaged, and learn your way around campus? The Week of Welcome (WOW) will kick off the new school year with a series of events, programs and opportunities to help new Ospreys learn their way around UNF. Starting the Friday before classes begin and running through the first week of classes, WOW gives you a head start to flourish socially and academically by participating in campus programs, small group gatherings, events, and school traditions. Past Week of Welcome events have included:

- Ospreys Involved Extravaganza
- Tour MOCA Jacksonville
- Comedy Night
- New Student Convocation
- Welcome to College Luau
- Don’t Mess the Nest
- Osprey Productions Movie Night
- Jax Life Fest
- Eco Adventures
- New Student Community Service Project
- Ozzie’s Weekend

More information about Week of Welcome 2014 will be given to students during New Student Orientation.

STEP 4 — Consider Getting Involved

Students who get involved on campus in both academic and co-curricular activities tend to have better grades and have a more enjoyable college experience overall. Though being at a university can feel intimidating at first, becoming involved with student organizations and connecting with university departments can quickly transform anxiety into comfort, and inevitably open doors to bigger opportunities. You will begin to establish relationships, create connections, and define your Freshman Experience.

Getting involved can take many forms. With more than 180 student organizations, multiple service opportunities, campus events and friendly people to help you find the right resources, finding your niche at UNF is simple.

Visit our Campus Life website for a list of current student clubs and organizations at UNF. Also, talk with your academic advisor about student organizations within your major of interest.
Advising at UNF

How Advising Works

All lower division students (those students with less than 60 college credits) who are not in the Honors Program, report to the Academic Center for Excellence (ACE) for all their academic advising needs. As a first-time-in-college student you will be assigned an advisor in ACE who will help you navigate your first two years, clarify your short and long term goals, and prepare you for your upper-division coursework.

If you plan to apply to a limited access or selective admission program, your advisor will help you understand the requirements and process. Some college departments may talk to students considering their programs who are not yet admitted or declared. Your ACE advisor can help you understand all options for advising. You will meet with your assigned advisor during your orientation and again during your first semester at UNF.

Once a student reaches 60 credits, they become a junior and begin seeing an advisor within the college that houses their chosen major. The college advisors will work with you until graduation.

Advising Expectations

Advising is a cooperative experience between you and your advisor. The goal of advising at UNF is to provide accurate and personalized academic information, educate you about your academic responsibilities, help you identify and integrate the many resources of the university, and assist and advocate for you as you experience a variety of transitions at UNF. We strive to guide you towards your academic goals by providing information, references, and advice; however, we will not make your choices for you. Advising is an engaging process between the advisor and advisee where ultimately you are in full control of your educational experience. We are your resource to help you succeed.

Advising at UNF is built around responsibility, resources, and relationships.

1. Responsibility
   • Schedule regular visits.
   • Take ownership.
   • Be prepared.
   • Follow through.

2. Resources
   • Learn policies, procedures, and requirements.
   • Take advantage of opportunities.
   • Use academic tools: degree evaluation, Osprey Map, UNF catalog.
   • Read your UNF e-mail.

3. Relationships
   • Foster open communication.
   • Clarify your values, abilities, interests, and goals.
   • Build a connection.
   • Remember advising is always a two-way street.

UNF Advising Structure

Newly Admitted Students → Academic Center for Excellence
   All students with less than 60 credits and not pursuing the Honors Program.

Honors Program
   Students in the Honors Program are advised by their Honors Advisor

College Advising
   Once a student reaches 60 credits they transition from the ACE to an advisor within the college which houses their major.

Policy on Confidentiality

FERPA, the Family Educational Rights and Privacy Act (Buckley Amendment), guarantees the privacy of student records.

Without your written permission, we cannot discuss your academic record with parents, friends, employers, or other persons. When appropriate, student information may be shared among university officials.

To release your academic information, you must submit a Student Information Release Authorization obtained from One Stop Student Services. This form must be resubmitted each academic year.

Students can grant parents access to their student records online via the Parent Portal in myWings.
**Advising After Orientation**

At the beginning of each semester, your individual ACE advisor will e-mail you with important academic information. You will begin preparing in October for spring enrollment and in March for summer and fall enrollment. You will meet individually with your advisor to discuss courses, majors, and other opportunities, such as undergraduate research and study abroad.

**Four Steps To Graduating**

Make a four-year degree a priority by:
1. Completing an average of 30 credits each year that apply toward degree requirements. You need 30 hours to be a sophomore, 60 to be a junior, and 90 to be a senior.
2. Meet the grade point average and course requirements required by your intended major.
3. Make a decision about and declare your major no later than the beginning of your sophomore year.
4. Meet regularly with your academic advisor to review degree progress.

**Meet With Your Advisor Early and Often!**

Your academic advisor can:
- Help you create an academic plan that will allow you to discover and pursue your academic interests and achieve your goals.
- Help you decide on a major (and minor, if applicable) best fitted to your skills, interests, and future goals.
- Inform you about course options, degree requirements, university policies, and procedures.
- Be a resource in making UNF work for you.

**Choosing A Major**

Many students enter college without having made a decision about a major or career. Even students who have made a commitment to a career often change their minds. The average professional makes three to five career changes in a lifetime.

Selecting a career is one of the most important life decisions you will make. To help you make an informed choice, there are many resources that enable you to investigate your interests, abilities, and suitability for different kinds of work. Career Services, may be especially useful.

Choosing a major which leads to a career is a process that includes investigating options, talking to those who are familiar with job opportunities in various areas, and spending your first year exploring your abilities and preferences. The staff of the Academic Center for Excellence and the college advising offices are available to discuss your decision about declaring a major.

**Attend a Major Information Session**

Every semester ACE hosts or promotes a variety of information sessions about specific UNF majors. Faculty or staff are invited from the departments to give pertinent information about their fields and answer any questions the student may have about a particular major. Major Information Sessions commonly include:
- Athletic Training
- Biology
- Business
- Computing
- Education
- Engineering
- Exercise Science
- Nursing
- Sport Management

Some departments also offer information sessions about their majors internally. Contact the specific department for which you are interested to receive more information.

**Consider a Career Planning Course**

**EDG 2000 - Career Planning**

This course is designed to assist students in identifying career interests, values, skills and personality characteristics that are relevant in choosing a college major and/or career. The course provides students with the opportunity to learn and practice career planning and decisions-making models that may be used throughout life.
How to read the online course schedule...

Prefix and Course Number:
The prefix is the first 3-letters designating the subject. The course number is the 4-digit number designating the level of the course. For instance, 1000 and 2000 courses are freshman and sophomore level courses.

CRN:
The Course Registration Number, or CRN, is the number a student uses when registering for a class in myWings. It identifies a specific section of a specific course.

Restricted Sections:
Some sections of a course are reserved for a certain population of students. For instance, courses with an (H) in the title are honors courses restricted to students in the Honors Program and sections with “DP” require departmental permission to take.

Days and Dates:
Check under the “Days” column to determine which days during the week a class meets. The days are indicated with a single letter of M, T, W, R or F. Note: R = Thursday

Check under the “Dates” column to know when the course will begin and end during the term.

During your orientation, you will be assigned a time to meet with an academic advisor individually. At that time, your advisor will assist you in finalizing a tentative schedule of courses. After your advising session, you will register for the courses you selected through our on-line registration system.

To get the most out of your advising session, you need to be prepared to ask questions and answer questions that will help determine which courses are appropriate for your skills, abilities and interests. Before your advising appointment, it’s important that you take some time to do the following:

Review the general education section in this guide. You can also refer to the prerequisites and foundation courses for intended majors information which will help you select courses you would like to take during your first semester.

Create a tentative schedule. Most full-time students take approximately 12 to 15 credits (4 or 5 courses) during their first fall semester. Think about the number of credits you want to take while creating a tentative schedule and use the following page to write down what you would like to take. It is important that you also choose two alternate courses.

You may need to refer back to these alternate courses to substitute for a class you want to take but which is filled by the time you register. Please note that placement test results will determine some of the courses you will take during your first semester.

Create a list of questions for your advisor. If you are unclear about general education and major requirements, write down specific questions to ask your advisor. If you are undeclared and have questions about potential majors, list the questions you have. If applicable, ask your advisor about any credits you are receiving through AP, IB, AICE, dual enrollment or CLEP exams. If UNF has received official documentation that states you received college credit for particular courses, your advisor will have that information. If the advisor does not have the information, don’t panic. Inform your advisor on which courses you will receive credit. Informing your advisor will ensure you are not recommended to enroll in a course you have already completed. Once the semester begins, you should contact One Stop Student Services to determine if the official test scores or transcripts have been received.

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**Sample Course Schedule - (example given for a nutrition major)**

Typically, a fall semester should consist of four or five courses.

1st Course - Communication course
2nd Course - Math course; This course will depend on your major, math placement results, SAT/ACT math scores, and any math college credit you earned in high school.
3rd & 4th Courses - These will be based on your intended major.
5th Course (optional) - This can be an exploratory elective course or another general education course.

| Course #1 | ENC 1143 | Intro to Rhetoric & Narrative | 3 cr. |
| Course #2 | MAC 1105 | College Algebra | 3 cr. |
| Course #3 | BSC 1010C | General Biology I | 4 cr. |
| Course #4 | HUN 2201 | Basic Principles of Human Nutrition | 3 cr. |
| Course #5 | (optional) | | |

**Total Credit Hours** 13 cr.

Alternate POS 2041 Intro to American Govt 3 cr.
Alternate GEO 2420 Cultural Geography 3 cr.
There is a lot of information to cover during your orientation advising visit. If you find you did not have enough time to get all your questions answered, or if you need clarification on any academic information given to you during orientation, we encourage you to contact your advisor early in the semester.

**Online Registration**

Students will be cleared to register for classes after they meet with their advisor during orientation.

**STEP 1** - Before registering students will need to be able to log into myWings, our UNF computer system.
- Go to [www.unf.edu](http://www.unf.edu) and click on the myWings icon at the top right.
- Sign in using your N# and password. Your N# is your UNF Login ID#. It is case sensitive. *(If you do not know your N# and password, click on “Log-in Help” and follow the instructions.)*

**STEP 2** - Once you are logged in to myWings, you will need to clear your holds before you can register.
- Click on the Student tab.
- In the box titled Registration Tools and Resources, click on the “Student Holds” link.
- Follow directions to clear holds.

**STEP 3** - Now you are ready to register for classes!

To register follow these instructions:

1. On the Student tab in the Registration Tools and Resources box, click on the “Look Up Classes” link.
2. Select term for which you are registering.
3. Choose the subject (3-letter prefix) for the course you choose to take, then click course search.
4. Scroll down until you see the course number (4-digit number) and title of the course you want, then click “View Sections” button.
5. Check the box next to the course you would like to take, scroll down to the bottom of the page and click on “Register Now”.
   *(Note: Courses with a “C” in the first column are already full, i.e. closed.)*

Repeat step 3 for all of your classes. Once you have completed registration, you can view your schedule by clicking on the “Registration” link at the bottom of the page, then select the “Student Schedule by Day & Time” or “Student Detail Schedule” link.

**On the Internet**

**Academic Calendar**
For important enrollment dates, go to [www.vems.unfcsd.unf.edu/MasterCalendar/MasterCalendar.aspx](http://www.vems.unfcsd.unf.edu/MasterCalendar/MasterCalendar.aspx)

**Course Schedule**
The course schedule is available online through myWings about three or four weeks before registration begins each semester.

**Textbooks for Class**
For information regarding textbooks for your classes, stop by the UNF Bookstore, or visit them online at [www.bkstr.com/Home/10001-10077-1](http://www.bkstr.com/Home/10001-10077-1)

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**Your Tentative Fall Schedule**

Use the instructions on the previous page, along with the information below, to begin planning your future schedule.

- General Education information (see pages 10-11)
- Prerequisites and Foundation Courses for Intended Majors information (see pages 22-23)
- Elective information (see pages 24-25)

You will review these options with an academic advisor in ACE during orientation.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course #1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course #2</td>
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<td></td>
</tr>
<tr>
<td>Course #3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course #4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course #5 (Optional)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Total Credit Hours | | |
|-------------------|---|

Alternate

Alternate
The key purpose of General Education is to provide the components of a liberal education that develop and cultivate the capacities required for effective social, intellectual, and cultural engagement in a diverse democratic society and global environment.

1. Communication - 9 credits
This category of competencies requires that students demonstrate the ability to communicate effectively in writing, electronic formats, and/or orally, and explain one’s communicative decisions and practices.

Take the following state-required Communication course:
ENC 1101 G(W) Introduction to Rhetoric and Writing

Take the following UNF required course:
ENC 1143 G(W) Introduction to Rhetoric and Narrative

Choose one of the following for your third Communication course:
CRW 2000 G(W) Introduction to Creative Writing 3
CRW 2100 G(W) Introduction to Fiction Writing 3
CRW 2201 G(W) Introduction to Creative Non-Fiction 3
CRW 2300 G(W) Introduction to Poetry Writing 3
CRW 2400 G(W) Introduction to Playwriting 3
CRW 2600 G(W) Introduction to Screenwriting 3
ENC 2210 G(W) Technical Writing 3
ENC 2441 G(W) Writing Topics: Fine Arts 3
ENC 2442 G(W) Writing Topics: Humanities 3
ENC 2443 G(W) Writing Topics: Literature 3
ENC 2450 G(W) Writing Topics: Natural Science 3
ENC 2451 G(W) Writing Topics: Health 3
ENC 2460 G(W) Writing Topics: Business 3
ENC 2461 G(W) Writing Topics: Social Sciences 3
ENC 2462 G(W) Writing Topics: Education 3
ENC 2463 G(W) Writing Topics: Engineering 3
ENC 3250 G(W) Professional Communications 3
(required for Engineering majors)

Note: ENC 1102 will fulfill the third course requirement if transferred in from another school. We do not teach this course at UNF.

2. Critical Thinking - 12 credits
This category requires that students (1) demonstrate the ability to understand and apply different qualitative methods of inquiry, interpretation, evaluation, and judgment, (2) explain, illustrate, and evaluate different kinds of argumentation and evidence, (3) examine behavioral, social, and cultural issues, including human social behavior and its consequences, from various points of view and (4) reflect critically upon the human condition and experience.

Choose one of the following from the state-required Humanities courses:
ARH 2000 Art Appreciation 3
LIT 2000 Introduction to Literature 3
PHI 2010 G(W) Introduction to Philosophy 3
THE 2000 Theater Appreciation 3

Note: HUM X020 and MUL X010 will fulfill this requirement if transferred in from another school. We do not teach these courses at UNF.

Choose one of the following from the state-required Social Science courses:
AMH 2020 U.S. History Since 1877 3
ANT 2000 Introduction to Anthropology 3
ECO 2013 Principles of Macroeconomics 3
POS 2041 Introduction to American Government 3
PSY 2012 Introduction to Psychology 3
SYG 2000 Introduction to Sociology 3

Choose two additional courses from the Humanities or Social Science courses listed above or from the following:
ARH 2050 Art History Survey I 3
CCJ 2002 Crime in America 3
FIL 2000 Film Appreciation 3
HSC 2100 Personal and Community Health 3
MUH 2012 Enjoyment of Music 3
MUH 2017 History and Appreciation of Rock 3
MUH 2018 The Evolution of Jazz 3
MUT 1111 Music Theory I (must have music proficiency) 3
PHI 2100 G(W) Reasoning and Critical Thinking 3
PHI 2630 G(W) Contemporary Ethical Issues 3
WOH 1012 G(W) World History I 3
WOH 1022 G(W) World History II 3
3. Quantitative Reasoning and Analysis and Scientific Method - 12 credits
This category requires that students demonstrate the ability to determine appropriate mathematical and computational models and methods in problem solving and recognize and comprehend fundamental concepts, principles, and processes about the natural world.

Choose one of the following from the state-required Mathematics courses:
- MAC 1105 G(M) College Algebra 3
- MGF 1106 G(M) Finite Math 3
- MGF 1107 G(M) Explorations in Math 3
- STA 2023 G(M) Elem. Statistics for Business 3

Note: Higher-level required courses in math will satisfy this requirement.

Choose one of the following lectures from the state-required Natural Science courses with lab component:
- AST 2002 Basic Astronomy 3
- AST 2002L Basic Astronomy Lab 1
- BSC 1005C Principles of Biology (for non-science majors) 4
- BSC 1010C General Biology (for science majors) 4
- CHM 2045 General Chemistry I 3
- CHM 2045L General Chemistry I Lab 1
- ESC 2000 Earth Science 3
- ESC 2000L Earth Science Lab 1
- PHY 1020 Introduction to Physics 2
- PHY 1020L Introduction to Physics Lab 1
- PHY 2048 Calculus Physics I 4
- PHY 2048L Calculus Physics I Lab 1
- PHY 2053 Algebra Physics I 3
- PHY 2053 Algebra Physics I Lab 1

Note: CHM X020 and EVR X001 will fulfill the lecture requirement if transferred in from another school. We do not teach these courses at UNF.
Higher-level required courses in natural sciences will satisfy this requirement.

4. Cross-Cultural Awareness, Experiential Learning or Integrative Learning - 3 credits
This category requires that students develop, strengthen, extend, and demonstrate the ability to identify, explain, and analyze the implications of cross-cultural issues, ideologies, and the contributions that people of diverse backgrounds bring to a multicultural world.

Choose one of the following:
- ANT 2000 Introduction to Anthropology 3
- ASN 2003 Introduction to Asia 3
- GEO 2420 Cultural Geography 3
- MMC 2701 Communicating Across Cultures 3
- PUP 2312 Race/Gender/Politics 3
- REL 2300 Comparative Religion 3
- SYG 2013 Sex, Race and Class 3

Note: Study abroad courses or internship courses at the upper-level may fulfill this requirement. Consult your advisor for more information.
Students can also choose one additional course from one of the first three general education categories.

Total Required for General Education: 36 credits*

*A minimum grade of C is required for all general education requirements.

*College-Level Communications and Computation Skills
State Rule 6A-10.030 - also known as Gordon Rule
Students must have four Gordon Rule Writing (GW) courses and two Gordon Rule Math (GM) courses with grades of C or higher in order to satisfy state mandated graduation requirements.
Every society possesses a wealth of stories, poems, essays, plays, and films that name, celebrate, and question the world. Through close attention to these texts, English investigates, translates, and communicates culture, language, art and commerce.

Students must complete nine credits of communication courses to fulfill general education requirements here at UNF. The communication course sequence consists of ENC 1143, ENC 1101, and a third course from the listed options.

**ENC 1143 - G(W) Intro to Rhetoric & Narrative**
This course introduces students to basic rhetorical features of a range of texts in different genres, with a focus on the elements of narrative. Students will learn how to read critically in preparation for writing critically on the course texts. 3 credits

**ENC 1101 - G(W) Intro to Rhetoric & Writing**
This course is an introduction to writing at the college level. 3 credits

**Additional Communication Course:** Select one from list below:

**CRW 2000 - G(W) Intro to Creative Writing**
Prerequisite: ENC 1143 and ENC 1101
In this course, students read works from a variety of literary genres, produce samples of work in each genre, develop production critiques of one another’s work within a workshop setting, and revise at least one of their samples. This course is for students who want to develop basic skills in more than one genre of creative writing. 3 credits

**CRW 2100 - G(W) Intro to Fiction Writing**
Prerequisite: ENC 1143 and ENC 1101
In this course, students examine the narrative possibilities of creative non-fiction. They explore structure, technique and authorial presence in representative works of established sub-genres, including literary journalism, travel writing, memoir, and the personal essay, as well as more experimental forms like the lyric essay and collage. 3 credits

**CRW 2201 - G(W) Intro to Creative Non-Fiction**
Prerequisite: ENC 1143 and ENC 1101
In this course, students examine the narrative possibilities of creative non-fiction. They explore structure, technique and authorial presence in representative works of established sub-genres, including literary journalism, travel writing, memoir, and the personal essay, as well as more experimental forms like the lyric essay and collage. 3 credits

**CRW 2300 - G(W) Intro to Poetry Writing**
Prerequisite: ENC 1143 and ENC 1101
This course allows students to explore the fundamentals and craft of poetry. Students will learn the difference between poetry and prose, as well as the ability to identify the attributes that make poetry a unique and expressive art form. Students will read and memorize poems by master poets, whose work will be the focus of our analysis. Learning to explicate great poetry will provide students with skills they can apply to their own poetry. 3 credits

**CRW 2400 - G(W) Intro to Playwriting**
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to the art and craft of playwriting. Students will read plays and analyze their basic elements—including dramatic action, characterization, dialogue, and the shape and pacing of scenes. In order to understand the nature of drama from the perspectives of actor, director, and audience as well as playwright, students will write scenes and perform them, a process that will involve staging and directing those scenes. 3 credits

**CRW 2600 - G(W) Intro to Screenwriting**
Prerequisite: ENC 1143 and ENC 1101
This course examines the basic formal elements of screenplays—including characterization, dialogue, scene structure, plot construction, genre conventions, and formatting requirements. Students will critically analyze screenplays by the great authors of the twentieth century. The students’ major project will be to write short motion picture or television screenplays of their own. 3 credits

**ENC 2210 - G(W) Technical Writing**
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to scientific, technical and professional writing with a focus on practical information about communicating in different workplace environments and professional/technical discourse communities. Students will analyze rhetorical situations and issues, resumes, memos, reports (progress, lab, etc.), proposals, technical descriptions, technical definitions, and technical manuals. 3 credits

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**UNF Osprey Tip**

**Writing Appointments**
Students can schedule an individual appointment in ACE with a writing tutor to have their paper reviewed. Appointments are in 30 minute or one hour increments.

Log in to myWings and go to the ACE Advising, Tutoring and Workshops link under the Student Tab to schedule an appointment, or contact the office at 620-1012.

**Communication Courses**

**Annual Writing Contest**
All students are encouraged to participate in ACE’s Annual Writing Contest each spring semester.
Entry categories include: Poetry Short Fiction Creative Non-Fiction
Details of the contest can be found at www.unf.edu/ace
Annual Student Productions
Every year UNF offers several student drama productions. Some require student enrollment in a drama or film course, while others hold open auditions for students from any major.
Some of our annual productions include:
The Playwrights’ Project
Short Film Showcase
Shakespeare-in-the-Park

For additional information about student productions visit:
Department of English
Building 8, Room 2601
620-2273

ENC 2441 - G(W) Writing Topics: Fine Arts
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations within fine arts. This course will also require students to focus on the writing conventions and expectations in the fine arts. 3 credits

ENC 2442 - G(W) Writing Topics: Humanities
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations and the study of humanities. This course will also require students to focus on the writing conventions and expectations in humanities. 3 credits

ENC 2443 - G(W) Writing Topics: Literature
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations and the study of literature. This course will also require students to focus on the writing conventions and expectations in literature. 3 credits

ENC 2460 - G(W) Writing Topics: Natural Science
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations within the natural sciences. This course will also require students to focus on the writing conventions and expectations in the natural sciences. 3 credits

ENC 2451 - G(W) Writing Topics: Health
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations within health. This course will also require students to focus on the writing conventions and expectations in health. 3 credits

ENC 2460 - G(W) Writing Topics: Business
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations within business. This course will also require students to focus on the writing conventions and expectations in business. 3 credits

ENC 2461 - G(W) Writing Topics: Social Sciences
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations within social sciences. This course will also require students to focus on the writing conventions and expectations in social sciences. 3 credits

ENC 2462 - G(W) Writing Topics: Education
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to research-based writing in diverse academic and non-academic situations within education. This course will also require students to focus on the writing conventions and expectations in education, as well as practice in writing in a variety of genres, including the argumentative essay. Students will practice addressing a variety of audiences and using research strategies relevant to education and related professional communities. 3 credits

ENC 2463 - G(W) Writing Topics: Engineering
Prerequisite: ENC 1143 and ENC 1101
This course introduces students to rhetorical strategies needed for successful research-based writing in diverse academic and non-academic situations within engineering. This course will also require students to focus on the writing conventions and expectations in engineering, as well as practice in writing in a variety of genres, including the argumentative essay. 3 credits

ENC 3250 - G(W) Professional Communications
Prerequisite: ENC 1143 and ENC 1101
The primary emphasis of technical writing is on the basics of professional communication-research, organization, grammar/mechanics/style. We will also pay attention to the forms of professional communication-letters, memos, and formal and informal reports. 3 credits

Preparatory Writing
The following is a preparatory writing course which may be required, but does not meet general education requirements at UNF.

ENC 1130 - G(W) Intensive Writing
This course introduces students to the demands of college writing. Students work to produce strong sentences, paragraphs, and essays that achieve the four C’s of good writing—clarity, cohesion, coherence, and concision. Students also apply critical thinking skills through reading, writing, and discussion. Does not fulfill general education English requirement. 3 credits
Critical Thinking Courses

Exploration into the human experience adds to our knowledge about the world. The humanities preserve the great accomplishments of the past, help us understand the world we live in, and give us tools to imagine the future.

Students must complete 12 credits in critical thinking to fulfill general education requirements here at UNF. The following are the list of options for this requirement.

**Humanities:** Select one from the following:

**ARH 2000 - Art Appreciation**
This course includes the study of visual elements, design principles, various techniques and media. Examples of Western painting, sculpture and architecture from prehistoric to present times will be examined. Local museum excursions are required. Elective for Art majors. 3 credits

**LIT 2000 - Intro to Literature**
This course will introduce students to writing about literature with a focus on the close reading, critical analysis, and informed appreciation of different kinds of literary texts. 3 credits

**PHI 2010 - G(W) Intro to Philosophy**
This course introduces the student to the rudiments of philosophical thinking which is designed to clarify the differences between philosophy and other human activities such as science and religion. The course will introduce students to a range of philosophical problems and methods. 3 credits

**THE 2000 - Theater Appreciation**
This course is for students interested in understanding and appreciating one of the oldest art forms in the world. For thousands of years, humans have put on masks and adopted personas and behaved as if they were different from the people they are. Why? Why have they felt the need to pretend to be who they are not, to express feelings that are not really their own, and direct their bodies to act out stories in front of spectators, stories in which they come into conflict with others? In order to address these and related questions, students will read plays, analyze scripts, and attend and write about local productions. They may also complete a group project in a live theater. No acting experience is required. 3 credits

**Social Science:** Select one from the following:

**AMH 2020 - U.S. History Since 1877**
A history of the United States since 1877 emphasizing industrialization and urbanization, the Progressive period, the New Deal, post-World War II domestic reform and the emergence of the U.S. as a world power. Offered spring term only. 3 credits

**ANT 2000 - Intro to Anthropology**
An introduction to the critical issues in anthropology. The major subfields of archaeology, physical anthropology, linguistics, and cultural anthropology are examined for an understanding of contemporary and past cultural issues such as the rise of civilization, origins of language, and the roots of social inequality. 3 credits

**ECO 2013 - Principles of Macroeconomics**
Introduction to the theory of income determination and national income accounting. Analysis of the use of monetary and fiscal policy to accomplish the goals of full employment, economic growth and price stability. 3 credits

**POS 2041 - Intro to American Government**
This course provides a broad look at government in the U.S., introducing major institutions and American participants and considering various explanations of why our political system behaves as it does. The course reviews governmental response to major issues to illustrate both the power and limitations of our system of government. 3 credits

**PSY 2012 - Intro to Psychology**
An introduction to the scientific study of human and animal behavior. The principles, theories and methods of psychology will be surveyed in the context of topics central to the development and present status of the discipline. 3 credits

**SYG 2000 - Intro to Sociology**
A study of sociological concepts essential for an individual, society and social structure. General concepts which integrate the field are considered so that more specialized courses may be understood in context. 3 credits
The remaining two courses needed to fully meet the critical thinking requirement can come from the Humanities or Social Science courses listed on the previous page or from the courses listed below.

**ARH 2050** - Art History Survey I
This course is a survey of painting, sculpture and architecture from the Paleolithic era through the Medieval period. Monuments will be studied in relation to the cultural contexts of Western civilization. 3 credits

**CCJ 2002** - Crime in America
This course is an introduction to the study of Crime in America criminology/criminal justice. The course includes topics on: the crime problem in the U.S.; crime patterns and criminal behaviors; explanations for crime; systems of justice designed to deal with crime and their underlying philosophies, and preventive strategies. 3 credits

**FIL 2000** - Film Appreciation
This course introduces students to the fundamental elements of film and the basic concepts used in analyzing and appreciating movies. Students will learn cinematic vocabulary and techniques as they have emerged and developed through the history of international cinema. 3 credits

**HSC 2100** - Personal and Community Health
This course examines U.S. health priorities with an emphasis on behavioral and social determinants of health. Material presented will raise levels of awareness and provide information needed to make informed health related choices, encourage attitude change, and develop decision making skills which facilitate healthier lifestyle behaviors. 3 credits

**MUH 2012** - Enjoyment of Music
An introduction to musical elements, forms and style periods with emphasis on composers’ lives, individual styles and representative works. Designed to stimulate the student’s love of music and to create listening skills. Music will be studied from the Medieval through the 20th century periods. 3 credits

**MUH 2017** - History and Appreciation of Rock
This course looks at and studies the origins and development of rock and roll music from rhythm and blues, country and western, to current trends in pop and rock. Aural recognition of representative recordings will be required. 3 credits

**MUH 2018** - Evolution of Jazz
A historical survey of the evolution of jazz from primitive African elements through its fusion with Western hymns, work songs and military music. Various styles of jazz will be studied from Dixieland through modern/contemporary jazz forms. 3 credits

**MUT 1111** - Music Theory I
This course consists of an introduction to the basics of music theory and the techniques and concepts of voice leading as practiced during the common practice period. Required for all music majors. 3 credits

*Must audition and have proficiency in music. Priority given to Music majors.*

**PHI 2100** - G(W) Reasoning & Critical Thinking
This course is an introduction to investigating logical ways of thinking. Students can expect to learn rules of argumentation and how to avoid fallacies. This course is very good preparation for careers in law and science. 3 credits

**PHI 2630** - G(W) Contemporary Ethical Issues
This course is an introduction to exploring the application of ethical norms to actual moral dilemmas. Students can expect to discuss problems such as abortion, euthanasia, capital punishment, preferential treatment, etc., as they relate to classical, ethical theories. 3 credits

**WOH 1012** - G(W) World History I
This course will provide a survey of world history from the earliest human prehistory to the later middle ages. It will introduce students to the major civilizations and societies of Europe, Asia, Africa and the Americas. It will trace key developments in political organization, religion, culture and society in the different regions of the world, and will compare those developments in order to provide insight into the fundamental dynamics of human history. The course will also explore the interactions between the different regions in order to assess the role intercultural contacts in promoting change in human societies. 3 credits

**WOH 1022** - G(W) World History II
This course will provide a survey of world history from the later middle ages to the present. It will introduce students to major civilizations and societies of Europe, Asia, Africa and the Americas. It will trace key developments in political organization, religion, culture and society in the different regions of the world, and will compare those developments in order to provide insight into the fundamental dynamics of human history. The course will also explore the interactions between the different regions in order to assess the role of intercultural contacts in promoting change in human societies. 3 credits

"A politician needs the ability to foretell what is going to happen tomorrow, next week, next month, and next year. And to have the ability afterwards to explain why it didn’t happen."

—Winston Churchill
Students must complete twelve credits to fulfill the quantitative reasoning and analysis and scientific method general education requirements. The following are the list of options for this requirement. Choices are typically dependent upon your math placement score and intended major and your background in natural science.

**Mathematics:** Select one from the following:

- **MAC 1105** - G(M) College Algebra  
  *Prerequisite:* Intermediate Algebra or appropriate score on UNF math placement exam.  
  Topics will include linear and quadratic functions, systems of equations and inequalities, polynomials, exponentials, logarithms. Students may not receive credit for this course and MAC 1101 (Intensive College Algebra). 3 credits

- **MGF 1106** - G(M) Finite Mathematics  
  Topics will be selected from linear equations and inequalities; linear programming, matrices and systems of linear equations; combinations and elementary probability; game theory with applications; logic; mathematics of finance. 3 credits

- **MGF 1107** - G(M) Explorations in Mathematics  
  This course is an introduction to important and interesting ideas in mathematics. These ideas are designed to promote an appreciation of the subject. Topics may include Number Theory, Rates of Growth, Geometry, and Graph Theory. 3 credits

- **STA 2023** - G(M) Elementary Statistics for Business  
  *Prerequisite:* MAC 1101, MAC 1105, or MAC 1147  
  This course is an introduction to descriptive data analysis, probability, statistical distributions, confidence intervals, testing of hypotheses, regression, and correlation. Topics selected to emphasize applications in a business environment. 3 credits

**Natural Science:** Select one from the following with a lab component:

- **AST 2002** - Basic Astronomy  
  *Prerequisite:* High school algebra and trigonometry.  
  Survey of current knowledge of the astronomical universe and of how that knowledge has been accumulated. Students will study the solar system, stars, and galaxies, and will review contemporary research and exploration. There will be occasional observing sessions. 3 credits

- **AST 2002L** - Basic Astronomy Lab  
  *Corequisite:* AST 2002 or permission of instructor. An introductory laboratory course with exercises on vision and optics, telescope structure and design, and observing the sun, moon, planets, nebula, and other sky objects. Some required observing sessions will occur at times other than the scheduled laboratory class. (A laboratory fee of $25 will be assessed). 1 credit

- **BSC 1005C** - Principles of Biology  
  This course is designed to introduce students to the science life. This survey will cover topics ranging from the molecular components of the cell to the interaction of organisms with their environment. The goal of this course is to familiarize students with diverse components of life, provide an opportunity for students to work in the laboratory, as well as introduce the major areas of study within the discipline. This course is suitable for students who have no previous biology experience. Recommended for non-science majors. 4 credits

- **BSC 1010C** - General Biology I  
  This course is an introduction to biology with an emphasis on cellular biology and genetics. It is designed to support students preparing for a career in biology or the health professions of Pharmacy, Dentistry, Veterinary, and Medicine. It is required for all health and science majors. 4 credits

Note: Higher-level required courses in math will satisfy this requirement.
“Pure mathematics is, in its way, the poetry of logical ideas.”

— Albert Einstein

**CHM 2045** - General Chemistry I  
*Prerequisite:* MAC 1105/1101 and CHM 1025 with lab or high school chemistry with a minimum grade of B. This course covers stoichiometry, atomic structure, chemical bonding, acids and bases, solutions and their properties, and descriptive chemistry of selected elements. 3 credits

**CHM 2045L** - General Chemistry I Lab  
*Co-requisite:* CHM 2045  
This laboratory course includes experiments that demonstrate the concepts of stoichiometry, atomic structure, chemical bonding, acids and bases, solutions and their properties, reaction rates and equilibrium and descriptive chemistry of selected elements. (A laboratory fee of $59 will be assessed.) 1 credit

**ESC 2000** - Earth Science  
This course is an introduction to the Earth as a system including the lithosphere, atmosphere, and the hydrosphere. Topics for discussion will include the formation of the Earth and the evolution of its landscape, the atmosphere and principles of weather and climate, the dynamic ocean, comparison with other bodies in the Solar System and human impact on the Earth systems. 3 credits

**ESC 2000L** - Earth Science Lab  
*Co-requisite:* ESC 2000  
This course is the laboratory course to accompany the ESC 2000 lecture course. Topics to be investigated are the scientific method, rocks and minerals, the history of Earth, plate tectonics, earthquakes, mapping oceanography, atmospheric physics and properties of the Solar System. (A $25 laboratory fee will be assessed.) 1 credit

**PHY 1020** - Intro to Physics  
*Prerequisite:* High school algebra  
This course is an introduction to physics involving a study of motion, forces, conservation laws, heat, entropy, electricity, magnetism, waves, relativity and quantum theory. The cultural aspects of physics and the scientific method will be included. This course is for students who have had no previous physics, including high school physics. This course cannot be used by natural science majors to satisfy degree requirements. 2 credits

**PHY 1020L** - Intro to Physics Lab  
*Co-requisite:* PHY 1020  
This course is the laboratory that explores the topics covered in the PHY 1020 Introduction to Physics lecture course. The experiments will involve laboratory exercises dealing with kinematics of free fall and projectile motion, forces and motion, laws of conservation of energy and momentum, optical laws of reflection and refraction, the behavior of lenses, basic electric circuits, electromagnetic forces, standing waves, and heat phenomena. (A laboratory fee of $25 will be assessed.) 1 credit

**PHY 2048** - Calculus Physics I  
*Prerequisites:* MAC 2311 and high school physics with a minimum grade of B or PHY 1020.  
*Corequisite:* MAC 2312.  
An introduction to the fundamental laws and theories of physics with an emphasis on mechanics, heat and wave motion. Four hours lecture. 4 credits

**PHY 2048L** - Calculus Physics I Lab  
*Co-requisite:* PHY 2048  
This is a laboratory course which conducts exercises to accompany the coursework covered in PHY 2048. (A laboratory fee of $25 will be assessed.) 1 credit

**PHY 2053** - Algebra Physics I  
*Prerequisites:* MAC 1147 or MAC 1105/1101 and MAC 1114 and high school physics with a minimum grade of B or PHY 1020 with lab.  
This course is an introduction to mechanics, waves and heat. Calculus not required. 3 credits

**PHY 2053L** - Algebra Physics I Lab  
*Co-requisite:* PHY 2053  
This is a laboratory course which conducts exercises to accompany the coursework covered in PHY 2053. (A laboratory fee of $25 will be assessed.) 1 credit

*Note: Higher-level required courses in natural science will satisfy this requirement.*
Choose one or two additional math or natural science courses to equal at least twelve credits for the quantitative reasoning and analysis and scientific method requirement.

**MAC 1101** - G(M) Intensive College Algebra  
*Prerequisite:* Intermediate Algebra or appropriate score on UNF math placement exam.  
This course is designed for the student who has some knowledge of Intermediate Algebra, but who is not ready for College Algebra (MAC 1105). This course reviews key topics in Intermediate Algebra and covers the material in College Algebra, linear functions, quadratic functions, inequalities, polynomials, exponentials, and logarithms. Students may not receive credit for this course and MAC 1105 (College Algebra) or MAC 1147 (Precalculus).  
4 credits

**MAC 1114** - G(M) Trigonometry  
*Prerequisite:* MAC 1105  
This course will include the following topics: trigonometric functions and their inverses, graphing trigonometric functions, identities, complex numbers, solving triangles, and applications of trigonometric functions. Students may not receive credit for both MAC 1114 and MAC 1147.  
2 credits

**MAC 1147** - G(M) Precalculus  
*Prerequisite:* Intermediate Algebra or appropriate score on UNF math placement exam.  
Topics will include linear and quadratic functions and their applications, systems of equations, inequalities, polynomials, exponentials, logarithms, trigonometric functions and their graphs, trigonometric identities, and complex numbers. Students may receive credit for either MAC 1147 or MAC 1105 and MAC 1114 (not all).  
4 credits

**MAC 2233** - G(M) Calculus for Business  
*Prerequisite:* MAC 1101, MAC 1105 or MAC 1147  
Topics in differential and integral calculus with applications. (This course cannot be used to satisfy upper-level degree requirements by mathematics, statistics or natural science majors.)  
3 credits

**MAC 2311** - G(M) Calculus I  
*Prerequisite:* MAC 1147 or MAC 1105 and MAC 1114  
This course examines the notions of limit, continuity and derivatives of functions of one variable. The course explores differentiation rules for algebraic, trigonometric, exponential and logarithmic functions. The course discusses applications of differential calculus, such as related rates problems, curve sketching, and optimization. The course also introduces students to definite and indefinite integrals and the Fundamental Theorem of Calculus. (Students completing this course may not enroll in MAC 2233.)  
4 credits

**MAC 2312** - G(M) Calculus II  
*Prerequisite:* MAC 2311  
This course continues the study of definite and indefinite integrals, and the Fundamental Theorem of Calculus begun in MAC 2311. The course presents various integration techniques and their applications, convergence of sequences and series, as well as power series and Taylor series of function of one variable.  
4 credits

**MGF 1113** - G(M) Mathematics for Teachers  
This course provides an introduction to Problem-Solving Processes, Strategies for Problem-Solving Sets and Numeration, Whole Numbers, Integers, Geometric Shapes, and Measurement and Geometry.  
3 credits

**STA 2014** - G(M) Elementary Statistics for Health and Social Sciences  
This course is an introduction to descriptive data analysis, probability, statistical distributions, confidence intervals, testing of hypotheses, regression and correlation. Topics are selected to emphasize applications in health and social sciences. Technology will be integrated in this course.  
3 credits
Mathematics is the queen of science and the language of nature.

BSC 1930 - Current Applications in Biology
This course will address impacts that humans have had on our environment. Ecological issues caused by these impacts will be discussed. Some topics this course will cover include: various types of pollution, deforestation, and global warming. Ways in which we can reduce our impact will also be covered. 2 credits

CHM 1025 - Intro to Chemistry
This course is an introduction to the principles of modern chemistry and an overview of different areas of chemistry and its applications including elementary organic chemistry. This course is for students who have no previous chemistry, including high school chemistry. This course cannot be used by natural science majors to satisfy degree requirements. 2 credits

CHM 1025L - Intro to Chemistry Lab
Co-requisite: CHM 1025.
An introductory laboratory course which introduces units, chemical calculations and simple synthesis stoichiometry, quantitative measurements and techniques for compounds. (A laboratory fee of $59 will be assessed.) 1 credit

CHM 2930 - The Cool Side of Chemistry
What are the uses of chemistry in everyday life? What is really in the water we drink? How do chemical heatpacks work? How does soap clean? Why is chemistry important? Students will explore a variety of focus areas in which chemistry is relevant: consumer products, food and nutrition, the environment, the material world, and the human body. This course intends to better prepare students to be well-informed citizens. No prior chemistry experience is required. Students will be expected to do some at home activities with household materials. 3 credits

HUN 1001 - Intro to Nutrition Science
Prerequisite: BSC 1005C or BSC 1010C. Students are introduced to nutrition science using the methods of natural science principles from biology and scientific chemistry to explore nutrient structures, usage/metabolism, functions, sources, standards and roles in health and disease; and basic research methods. 2 credits

HUN 2201 - Basic Principles of Human Nutrition
This is an introductory course in food and nutrition science relative to the health and well-being of the individual and the community. The functions and chemical composition of the essential nutrients, and how they are processed and utilized in the body are discussed. Dietary habits, nutrient requirements, food choices, healthy eating practices, menu planning, shopping for food and food preparation are studied. Myths and misinformation about nutrition are identified and evaluated based on the scientific evidence. 3 credits

Preparatory Mathematics
The following are preparatory math courses which may be required, but that do not meet general education requirements and are not taught at UNF.

MAT 0028* - Elementary Algebra
This is a college preparatory course and no college credit is awarded. This course is required for students who score <112 on the PERT or who place into this course based on their UNF math placement exam. The major topics in this course are sets, real numbers and their properties, exponents and polynomials, linear equations and linear inequalities, as well as an introduction to factoring rational expressions, radicals (square roots), and graphing in two variables. Students must complete this course with a C or higher. Students must also complete MAT 1033 prior to enrolling in college level math courses.

MAT 0028* - Elementary Algebra
This is a college preparatory course and no college credit is awarded. This course is required for students who score <112 on the PERT or who place into this course based on their UNF math placement exam. The major topics in this course are sets, real numbers and their properties, exponents and polynomials, linear equations and linear inequalities, as well as an introduction to factoring rational expressions, radicals (square roots), and graphing in two variables. Students must complete this course with a C or higher. Students must also complete MAT 1033 prior to enrolling in college level math courses.

MAT 1033* - Intermediate Algebra
This course is required for students who score 113 - 122 on the PERT or who place into this course based on their UNF math placement exam. This course will count as elective credit, but not as general education math credit. It is designed for students who require additional skills in algebra before taking College Algebra or Precalculus. Students must complete this course with a C or higher. This course will not satisfy general education Gordon Rule math requirement.

“Equipped with his five senses, man explores the universe around him and calls the adventure Science.”

~Edwin Powell Hubble
The importance of intercultural competency continues to grow in our world today. Global understanding is no longer restricted to certain industries and high-ranking leaders. Cultural competency is becoming more important and vital to success in our globalize society. UNF recognizes the need for students to develop cultural awareness and requires that students complete one cultural diversity course to fulfill the Cross-Cultural Awareness requirement.

**Cultural Diversity**: Select one of the following courses:

- **ANT 2000** - Intro to Anthropology
  An introduction to the critical issues in anthropology. The major subfields of archaeology, physical anthropology, linguistics, and cultural anthropology are examined for an understanding of contemporary and past cultural issues such as the rise of civilization, origins of language, and the roots of social inequality. 3 credits

- **ASN 2003** - Intro to Asia
  An introduction to the history and culture of Asia. In addition to examining selected aspects of Asia’s past and present, we will also explore the problems of “Orientalism” and the historical standards employed in various chronicles of Asia. Required for a minor in Asian Studies. 3 credits

- **GEO 2420** - Cultural Geography
  This course analyzes the characteristics of human behavior in different cultures throughout the world. The course focuses on the ways diverse cultures organize themselves spatially to adapt to their geographic area. 3 credits

- **MMC 2701** - Communicating Across Cultures
  This course will review the issues involved in effective cross-cultural communication at the levels of both interpersonal communication and communication through the mass media. Students will be encouraged to explore their own cognitive barriers to communicating across cultures and ways to overcome those barriers. (offered spring term) 3 credits

- **PUP 2312** - Race/Gender/Politics
  This course introduces students to the struggle of minorities and women to participate in the formation of public policy in the United States. 3 credits

- **REL 2300** - Comparative Religion
  Comparative Religion first introduces students to the major religions of the world and then seeks points of comparison between those religions in an effort to come to terms with the common basis of human religious experience. 3 credits

- **SYG 2013** - Sex, Race, and Class
  This class is designed to introduce students to the Sociological study of the issues of Race, Sex, and Social Class. In this class, students will examine a number of issues facing American Society today and how these issues are inter-related. Special emphasis will be placed on discussing how those problems are (or are not) dealt with in our society. 3 credits

Cultural awareness recognizes that we are all shaped by our cultural background, which influences how we interpret the world around us, perceive ourselves and relate to other people.
Foreign Culture: Select one of the following upper-division courses at the junior/senior level in lieu of a cultural diversity course at the freshman/sophomore level:

ASH 3440 - Japanese Civilization
This course aims to provide the student with an introduction to Japanese history and society. Topics will include Japanese ethnocentrism, religious traditions, historical consciousness, village society, urbanism, family life, education, contemporary politics, Japan’s economic miracle, consumerism, sports and the arts. We will look at the Japanese as they see themselves. 3 credits

ANT 3212 - People and Cultures of the World
This course uses a comparative approach to investigate common bonds of culture and the ways in which Homo sapiens elaborate cultural differences. This course uses cross-cultural evidence to investigate some of the fundamental cultural building blocks of kinship, subsistence technology, and political behavior. 3 credits

ANT 3312 - North American Indians
This course examines selected Indian groups from a holistic perspective and compares different cultural complexes. Particular attention will be given to religion, world view, kinship, politics and economic subsistence patterns. A study of aboriginal Indian cultures will be used as a basis for comparison with current American cultures. 3 credits

ECO 3701 - Contemporary International Economic Issues
This course covers basic topics in international economics at an intuitive level, with emphasis on policy. Students will study, in detail, the culture, politics and economy of a foreign country of their choice in order to appreciate the differences between U.S. and foreign cultures, politics and economies. 3 credits

LAH 3300 - Latin America
This course will provide an examination of recent Latin American history. Special emphasis will be placed upon the roles of the church, landowner, military, middle sector and peasant in the modernizing societies of selected countries. 3 credits

SOP 3004 - Psychology of Women
This course involves an investigation of major personality theories and clinical practices as they relate to female psychology. Findings from the field of psychology regarding differences between males and females will be explored. 3 credits

SYD 3700 - Racial and Cultural Minorities
This course will exam selected racial, ethnic and religious subcultures with respect to past and present patterns of participation, minority-majority relations, maintenance patterns and consequences of prejudice and discrimination for American social life. 3 credits

SYD 3800 - Gender and Society
This course is designed to explore the social meanings and political implications of gender in society. It will focus on gender as a taken-for-granted but problematic component of our lives, whether we are female or male. The course will explore topics such as: gender and sex role socialization, gender relationships, cross-cultural gender comparisons, and the effects of “the sex-gender system” on areas such as health, family life, religion, employment, crime, education, politics, and social change. 3 credits

Experiential/Integrative Learning: Students who chose to participate in a transformational learning opportunity (TLO) course may request to have it fulfill the Cross-Cultural Awareness requirement. Transformational learning opportunities set the occasion for life-changing experiences. They are an integral component of UNF’s strategic plan and institutional mission. These unique and engaging educational opportunities broaden and deepen students’ intellectual and world views. These experiences require that students reflect critically on the transformative effects and how the experience led them to change their beliefs, attitudes, or behavior in some significant way and to challenge their previous assumptions.

Examples of experiential learning could include:
- Community-based learning
- Study Abroad
- Internships or Field Experience

Examples of integrative learning could include:
- Undergraduate Research
- Leadership

“A nation’s culture resides in the hearts and in the soul of its people.”

~Mahatma Gandhi
**College of Arts and Sciences**

**ANTHROPOLOGY:**
- _ANT 2000_ Intro to Anthropology
- 1 additional lower level anthropology course

**ART:** (Graphic Design & Digital Media, Photography, Ceramics, Painting/Drawing & Printmaking, Sculpture)
- _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
- 2 art studio electives (ART/GRA/PGY prefix)
  
  Graphic Design requires these studio electives:
  - _ART 2605C_ Basic Computing Images
  - _PGY 1800C_ Digital Photography for Design
  - _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 through the intermediate level in a foreign language sequence

**BIOLOGY:** (Coastal Environmental Science, Coastal Biology, Ecology & Evolutionary Biology, Molecular & Cell Biology and Biotechnology, Biomedical Sciences, Medical Lab 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 3120C_ Quant Analytical Chemistry

Select 1 course:
- _STA 2014_ G(M)Elem Statistics Hlth/SS
- _MAC 2312_ G(M)Calc II

**Medical Lab Science prerequisites differ from those listed above. Consult your Osprey Map or advisor.**

**CHEMISTRY:** (Chemistry, 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)Calc I
- _MAC 2312_ G(M)Calc II

**COMMUNICATION:** (Advertising, Multimedia Journalism and Production, Public Relations)

  **Concentration:** Advertising
  - _MMC 1004_ Media Literacy
  - _SPC 2608_ Fundamentals of Speech
  - _STA 2023_ G(M)Elem Stats-Business
  - _ECO 2013_ Principles of Macroecon
  - _ECO 2023_ Principles of Microecon
  - _ENC 3250_ Professional Communication
  - _MAR 3023_ Principles of Marketing

  **Concentration:** Multimedia Journalism and Production
  - _MMC 1004_ Media Literacy
  - _SPC 2608_ Fundamentals of Speech
  - _STA 2023_ G(M)Elem Stats-Business
  - _ECO 2013_ Principles of Macroecon
  - _ECO 2023_ Principles of Microecon
  - _ENC 3250_ Professional Communication
  - _MAR 3023_ Principles of Marketing

**CRIMINAL JUSTICE:**
- _STA 2014_ G(M) Elem Statistics Hlth/SS
- _CCJ 2002_ Crime in America (rec.)

**ECONOMICS:** (BA)
- _ECO 2XXX_ One 3 credit economics course
- _ECO 2023_ Principles of Microecon
- _MAC 2311_ G(M)Calc I (rec.)

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

**FRENCH STUDIES:**
- _FRE 1120_ Beginning French I
- _FRE 1121_ Beginning French II
- _FRE 2204_ Intermediate French I
- _FRE 2241_ Intermediate French II

**HISTORY:**
- Two 1000/2000 level courses
- (AMHI/AFH/ASH/EUH/LAH/WOH prefix)
  - _STA 2014_ G(M)Elem Statistics Hlth/SS (rec.)

**INTERDISCIPLINARY STUDIES:**
Prerequisites to be determined

**INTERNATIONAL STUDIES:**
Must complete through the intermediate level in a foreign language sequence

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

**MUSIC PERFORMANCE:**
- _Music Theory I, II, III, IV_
- _Aural Theory I, II, III, IV_
- _Four Semesters of Applied Music_
- _Four Semesters of Ensemble_
- _Four Semesters of Performance Lab_
- _Four Semesters of Jazz Ensemble_
- _Four Semesters of Concert attendance_
- _Proficiency in Class Piano_

**JAZZ STUDIES:**
- _Music Theory I, II, III, IV_
- _Aural Theory I, II, III, IV_
- _Four Semesters of Applied Music_
- _Four Semesters of Jazz Ensemble_
- _Four Semesters of Performance Lab_
- _Four Semesters of Concert attendance_
- _Proficiency in Class Piano_

**MUSIC EDUCATION:**
Same prerequisites as listed under Music including the following:
- _EDF 2005_ Intro to the Teaching Profession
- _EDF 2085_ Intro to Diversity for Educators
- _EME 2040_ Intro to Technology for Educators
- _Sophomore Review of Applied Music_

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

**PHYSICS:** (Traditional, Astrophysics, Pre-Medical, Materials Science, Computer, Civil, Electrical, Mechanical)
- _CHM 2045/L_ General Chemistry I w/Lab
- _CHM 2046/L_ General Chemistry II w/Lab
- _MAC 2311_ G(M)Calc I
- _MAC 2312_ G(M)Calc II
- _MAC 2313_ G(M)Calc III
- _PHY 2048/L_ Calculus Physics I w/Lab
- _PHY 2049/L_ Calculus Physics II w/Lab
- _PHY 2049/L_ Calculus Physics II w/Lab

**POLITICAL SCIENCE:**
- _POS 2041_ Intro to American Govt
- _STA 2014_ G(M)Elem Statistics-Hlth/SS (rec.)
- _INR 2002_ Intro to Int’l Relations
- _CPO 2002_ Comparative Politics

**PSYCHOLOGY/CHILD PSYCH:** (BA and BS)
- _PSY 2012_ Intro to Psychology
- _PSY 2023_ One 3 credit psychology course
- _PSY 2024_ One 3 credit psychology course
- _PSY 2025_ One 3 credit psychology course
- _PSY 3021_ Professional Opportunities in Psych Seminar

**RELIGIOUS STUDIES:**
- _REL 2300_ Comparative Religion (rec.)

**SOCIAL WORK:**
- _POS 2041_ Intro to American Govt
- _PSY 2012_ Intro to Psychology
- _SYG 2000_ Intro to Sociology
- _BSC XXXX_ Any 3 credit biology course
- _ECO XXXX_ Any 3 credit economics course
- _STA 2014_ G(M)Elem Statistics-Hlth/SS (rec.)

**SOCIOLGY:**
- _SYG 2000_ Intro to Sociology
- _STA 2014_ G(M)Elem Statistics-Hlth/SS (rec.)

**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)Calc I
- _MAC 2312_ G(M)Calc II
- _MAC 2313_ G(M)Calc III
- 1 statistics course
- 2 lab science courses for science majors
- 1 computer programming course (COP 2220 preferred)
College of Business

ACCOUNTING/ECONOMICS/FINANCE/FINANCIAL SERVICES/ MARKETING/ MANAGEMENT/INTERNATIONAL BUSINESS/ TRANSPORTATION & LOGISTICS:
MAC 2233 G(M)Calculus for Business
STA 2023 G(M)Elem Stats-Business
CGS 1570 Microcomputer App Software
COP 2351 Intro. Object Oriented Programming
SPC 4064 Public Speaking for Professionals (preferred)

BUILDING CONSTRUCTION MANAGEMENT:
MAC 2233 G(M)Calculus for Business
STA 2023 G(M)Elem Stats-Business
ECON 2023 Principles of Macroecon
ECON 2013 Principles of Macroecon
ACG 2021 Principles of Financial Accounting
ACG 2071 Principles of Managerial Accounting

Information Systems also requires:
MAC 2233 G(M)Calc for Business
STA 2023 G(M)Elem Stats-Business
CGS 1570 Microcomputer App Software
COP 2351 Intro. Object Oriented Programming
SPC 4064 Public Speaking for Professionals (preferred)

College of Computing, Engineering and 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 2045/L General Chemistry I w/Lab
PHY 2048/L Calculus Physics I w/Lab
PHY 2049/L Calculus Physics II w/Lab
EGN 1001C Intro to Engineering I
EGN 2090C Intro to Engineering II

Electrical & Mechanical also require:
COP 2220 Computer Science I

Civil requires additional natural science.
Select 1 course:
ESC 2000/L Earth Science w/ Lab
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)

Concentrations: Information Science/Information Systems
MAC 2233 G(M)Cal & for Business
STA 2023 G(M)Elem Stats-Business
CGS 1570 Microcomputer App Software
COP 2010 Intro to Visual & Procedural Programming
COP 2551 Intro to Object Oriented Programming
SPC 4064 Public Speaking for Professionals (preferred)

Information Systems also requires:
ECO 2013 Principles of Macroecon
ECO 2023 Principles of Microecon
ACG 2021 Principles of Financial Accounting
ACG 2071 Principles of Managerial Accounting

Concentration: Information Technology
MAC 2233 G(M)Calculus for Business
STA 2023 G(M)Elem Stats-Business
CGS 1570 Microcomputer App Software
COP 2351 Intro. Object Oriented Programming
SPC 4064 Public Speaking for Professionals (preferred)

College of Education

ELEMENTARY/MIDDLE SCHOOL/SECONDARY/SPECIAL:
EDF 1005 Intro to the Teaching Profession
EDF 2085 Intro to Diversity for Educators
EME 2040 Intro to Education Technology
FTCE General Knowledge Exam

Some education majors may require additional prerequisites. Consult your Osprey Map or advisor.

SPORT MANAGEMENT: (Sport Management, Community Sport)
ECO 2013 Principles of Macroecon
ECO 2023 Principles of Microecon
ACG 2021 Principles of Financial Accounting
STA 2023 G(M)Elem Stats-Business
Community Sport also requires:
BSC 2086C Anatomy & Physiology I
PET 2622 Care/Prevention of Sports Injury

College of Health

HEALTH SCIENCE
Concentration: Community 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 Statistics-Hlth/SS
PSY 2012 Intro to Psychology
HSC 2100 Personal and Community 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
MCB 2010C Microbiology
MAC 1105 G(M)College Algebra
STA 2014 G(M)Elem Statistics-Hlth/SS
PSY 2012 Intro to Psychology

NUTRITION & DIETETICS
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 Statistics-Hlth/SS
POS 2041 Intro to American Govt
FSS 1202/L Food Fundamentals I w/ Lab
HUN 2201 Basic Principles of Human Nutrition

ATHLETIC TRAINING
BSC 1010C General Biology I
BSC 2085C Anatomy/Physiology I
BSC 2086C Anatomy/Physiology II
CHM 2045/L Microbiology
BSC 2010C G(M)College Algebra
STA 2014 G(M)Elem Statistics-Hlth/SS
PSY 2012 Intro to Psychology
HUN 2201 Basic Principles of Human Nutrition

NURSING
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
G(M)Elem Statistics-Hlth/SS
PSY 2012 Intro to Psychology
HUN 2201 Basic Principles of Human Nutrition

Some courses require prerequisites. Consult your catalog or advisor for prerequisites needed.
Choosing your Electives
Once you have decided on your major, most of your courses are pre-selected. If you have the option to take a few electives, choose courses that:

- Build skills for your chosen profession.
- Round out your education.
- Challenge you.

Electives

What are electives? Electives are courses that are not part of the general education requirements or prerequisites for a major, but that can be taken in the areas of the student’s interest. These are examples of free elective courses, but this is not an inclusive list of all elective options.

**AMH 2010 - U.S. History to 1877**
This course emphasizes the European background, causes and consequences of the Revolution, growth of democracy, westward expansion, causes and consequences of the Civil War and Reconstruction. 3 credits

**CGS 1100 - Computer Applications for Business**
This course provides an introduction to the fundamentals of personal computing for business majors and other non computer science majors. 3 credits

**CHI 1120 - Beginning Chinese I**
This course provides a basic introduction to modern Chinese, building solid foundation in the structures, vocabulary, pronunciation of the language. Native speakers of Chinese may take this course only with the permission of the Language Coordinator. (A laboratory fee of $10 will be assessed.) 4 credits

**CLP 2001 - Personal Growth**
This course is an introduction to the concepts and techniques of psychology which apply to personal growth and development. Emphasis will be placed on the interpersonal aspects of effective behavior. 3 credits

**DEP 2002 - Child/Adolescent Psychology**
This course is an overview of psychological principles, theories, and research pertaining to the developing child from conception through adolescence. The course will cover biological and environmental influences on affective, cognitive, moral, social, and personality development. This course will be oriented toward an applied understanding of child and adolescent development and therefore application to teaching and/or parenting needs. 3 credits

**EDG 2000 - Career Planning**
This course involves self-assessment activities (looking at students’ skills, interests, values, and personality characteristics as they relate to career choice), career decision-making, career exploration, and learning the necessary employability skills (i.e. resume writing, networking, interviewing techniques, your career, and your future) to obtain and keep a job once a choice has been made. The basic purpose of the course is to provide an opportunity for students to develop the necessary skills in all areas of career development. A Career Assessment (test) and Fee are required. 3 credits

**EGN 1001C - Intro to Engineering I**
Prerequisites: MAC 1147 or MAC 1105/1101 and MAC 1114.
An introduction to the engineering profession. Engineering curricula and methods of study, career opportunities, engineers contributions to civilization and possible future developments. One hour lecture with some field trips. 2 credits

**FRE 1120 - Beginning French I**
This course stresses the development of communicative and functional language use at the beginning level. This course gives the student the opportunity to develop a basic ability to read, write, speak and comprehend modern French. Native speakers of French may take this course only with the permission of the Foreign Language Coordinator. (A laboratory fee of $10 will be assessed.) 4 credits

**GEB 1011 - Foundations of Business**
A basic overview of the functional areas of business providing a general framework for understanding the development, structure, and social responsibility of business as it applies to the American and international economies. Emphasis is placed on the interaction of management, marketing, transportation, finance, accounting and insurance within the business environment. 3 credits

College students are curious people: they are constantly introduced to new ideas, concepts, theories and people. Electives give students an opportunity to explore.
**Foreign Language Courses:**

If you have some knowledge of French or Spanish and would like to continue in that language, it would be best to take the foreign language placement exam online first.

To take the placement test, go to [http://webcape.byuhtrsc.org/?acct=unf](http://webcape.byuhtrsc.org/?acct=unf)

Password is: ospreys1

After you take the online placement exam, contact the UNF World Languages Department at 620.2282 regarding your results.

If you have some knowledge of Chinese or German and would like to continue in that language, contact the World Languages Department for an assessment.

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**GER 1120 - Beginning German I**
This course stresses the development of communicative and functional language use at the beginning level. Students will learn to read, speak, comprehend, and write modern German at the beginning level. Native speakers of German may take this course only with the permission of the Language Coordinator. (A laboratory fee of $10 will be assessed.) 4 credits

**HSC 2000 - Health Care Careers**
This course will provide students with an introduction to the health care industry emphasizing the roles of various health care professionals. The course investigates the wide variety of health care careers, focusing on the nature of the work, job descriptions, necessary abilities, legal and ethical responsibilities, and education preparation and credentialing. Students learn how to gain reliable information regarding individual jobs in health care and understand the impact of current trends in health care on employment opportunities. An opportunity to interface with health care professionals is provided. 3 credits

**INR 2002 - Intro to International Relations**
Basic introduction to international politics and relations concentrating on describing the various ways nations interact with one another, how the world community looks at national powers and how nations and the world community define and protect the national interest. 3 credits

**LIS 1001 - Library & Information System Strategies**
This course is designed to acquaint the novice researcher with both traditional and computerized means of classifying, storing, and retrieving information, and will focus on the library as an information storage and retrieval center. Emphasis will be on developing critical thinking and research skills. This course is especially recommended to freshmen. 1 credit

**MMC 1004 - Media Literacy**
This course is designed to acquaint the student with the nature of mass media systems and their impact on society. The course seeks to generate an understanding of production methods, economic influences and behavioral effects of media. 3 credits

**MUN 2120 - Concert Band (Lower)**
Admission is by audition of instrumental music majors and other university students. The band performs annual concerts of traditional and contemporary band literature and is required of instrumental majors. (A material fee of $35 will be assessed.) 1 credit

**MUN 2310 - UNF Chorale (Lower)**
This mixed choral ensemble is designed to meet the ensemble requirements for classical music majors. The course is open to non-music majors. The repertoire includes music from the Renaissance to the Twentieth Century. (A material fee of $35 will be assessed.) 1 credit

**SOP 2772 - Human Sexual Behavior**
This course will explore the psychological and physiological aspects of human sexual behavior. Emphasis will be placed on the cultural and biological diversity of sexual expression. 3 credits

**SPC 2608 - Fundamentals of Speech**
Introductory course emphasizing current theories of communication, audience analysis and persuasion. Preparation and presentation of speeches on topics of current concern. Conferences, evaluations, and videotape replay provide personalized assistance. May be taken to satisfy teaching certification in speech. 3 credits

**SPN 1120 - Beginning Spanish I**
Emphasizing development of practical skills rather than grammatical knowledge, this course will give the student the opportunity to develop the foundations of an ability to read, write, and speak modern Spanish. Native speakers of Spanish may take this course only with the permission of the Foreign Language Coordinator. (A laboratory fee of $10 will be assessed.) 4 credits
## Academic Skills Workshops

The Academic Center for Excellence offers workshops during the academic year to help you make the successful transition to being a UNF student.

We know you want to excel in your studies at UNF. We also know that high school and college often require quite different academic skill sets. Even students who were exceptional in high school may find that the academic skills and strategies that served them so well during high school are not well suited to the rigors of college coursework. College course work will present many new challenges, including more competition, increased workload and more responsibilities.

Taking 15 or more credits is a full-time job, requiring more than 40 hours of work a week. The quantity, type and quality of work required at UNF may be different from what you have encountered so far in your academic career. For instance, you should anticipate coverage of perhaps twice as much material in college than you are accustomed to, and test questions that require you to describe, analyze, and synthesize concepts. To meet these challenges, your academic and study techniques may need to change.

The ACE offers a series of workshops, free of charge and for no course credit, that will help you develop and hone the skills and strategies necessary to excel in your UNF classes and maximize the effectiveness of your study time. These workshops are not remedial and are available to all students, from freshmen to graduate students. Topics include understanding how the brain learns most effectively, developing critical thinking and problem solving skills, advancing from subject matter exposure to subject matter mastery, implementing effective study techniques, implementing efficient time management techniques, overcoming test anxiety, and others.

## Subjects commonly tutored
- Math *(all levels)*
- Biology
- Chemistry
- Physics
- Computing
- Writing
- History
- Philosophy
- Psychology
- World Languages *(Chinese, English, French, German, Spanish, American Sign Language)*
- Economics
- Accounting

You may spend as much or as little time as needed working with an ACE tutor. All tutors are UNF students who are hand-picked and highly recommended from faculty to assist students in their respective subject area. Some students have specific questions when they come for tutoring, while others use tutoring as a study hall and ask questions when needed.

ACE’s Tutoring Center can help you better understand your course material and give you tools to sustain good study habits that will ultimately serve you in your academic career and beyond.

## Making tutoring most effective

**Come often!** Don’t make excuses about your lack of success in a class. Utilize your resources and make it a habit to get help.

**Include tutoring in your weekly schedule.** You will need to put in more effort and study time for every course you take at UNF. Remember, for every hour spent in class, you should be reviewing and studying for at least two hours outside of class. Use tutoring to sharpen your knowledge in that subject.

**Class first, tutoring second.** Tutoring is there to help increase your knowledge in your classes, not replace them. Students should go to class, professor’s office hours, and work on their assignments independently, in addition to going to tutoring.

**Be prepared.** The more prepared you are by studying, reading assignments, and doing practice examples, the more beneficial your tutoring experience will be. Have specific questions for your tutor.
Educational Opportunities

Undergraduate Research
One of the outstanding opportunities available to students at UNF is the engagement in research and scholarly projects at the undergraduate level. Our undergraduate research program offers research experiences for undergraduates collaborating with UNF faculty members across the disciplines. One of the greatest benefits of becoming involved in research as an undergraduate is the insight it will give students on how to learn, how new knowledge is created, and what you can accomplish when you become actively engaged in addressing your own research question.

Study Abroad
Study Abroad is an enriching, transformational experience that provides students with unique opportunities for academic, social, and personal growth. Students can earn UNF credit while studying in another country. Study Abroad programs range in length from as short as one week, or a summer, a full semester, or even an entire academic year. UNF offers many options for you to add an international dimension to your education through exchange programs, individual study abroad programs, and UNF faculty-led study abroad programs. The choice is yours. No matter what your major is, UNF has a program to accommodate your interest and needs.

Leadership Program
In today’s competitive job market, anything UNF students can do to set themselves apart from their peers will help them get noticed by potential employers or graduate schools. One way students are getting that extra edge at UNF is by obtaining the Community Leadership Minor through the Institute for Values, Community and Leadership. This program facilitates the education and development of students on how to become effective, ethical and value-based leaders with a commitment to the common good of society. The Community Leadership Minor is the campus-wide collaborative program which is credentialed on the student’s academic transcript. The minor consists of the following four components: (1) the gateway course LDR 3000 Intro to Leadership; (2) one elective leadership course; (3) a leadership elective from any of the five colleges; and (4) a practicum chronicling student leadership experiences on-campus as well as external to campus life.

Graduate School
If you think you might want to go to graduate or professional school, it is important to start preparing early. While your GPA is important for graduate school, you will also need good scores on the entrance exam required by your graduate school (i.e., the GRE, GMAT, MCAT, LSAT, etc.), and strong letters of recommendation from faculty. If you really want to shine, consider doing undergraduate research, having a study abroad experience, participating in the UNF Leadership Program or completing an internship before graduating. Your advisor can help you plan for the goal of attending graduate school and provide you with the appropriate resources to prepare you for the graduate admissions process.

Pre-Law Program
UNF offers a Pre-Law Program to enhance the preparation of the undergraduate student interested in pursuing law school and entrance into the legal profession or law-related career. The program includes thorough pre-law advising and curriculum analysis, wherein students are encouraged to develop exceptional oral and written skills and take courses that will sharpen their analytical reasoning and creative power of thinking. Since pre-law is not a major, undergraduate degrees may be pursued in any discipline and may be chosen according to the student’s interests and talents. Preparation for law school requires a strong understanding in several subject areas: English composition, history, literature, philosophy, political science, and economics.

Biomedical Program
UNF offers the Biomedical Program to advise and assist students in becoming competitive candidates for admission to professional schools in the areas of medicine, physician assistant, dentistry, pharmacy, podiatry, optometry, chiropractic, veterinary medicine and research-based graduate programs. Components of the program include curriculum analysis, guest speakers, mentoring, preparation for a variety of medical-field admission tests, and guidance with the professional school application process, including a centralized evaluation service. The program provides information and opportunities for scholarships, peer mentoring, shadowing, and volunteering.

Since there is no pre-med major, students wanting to pursue the medical field are advised to choose an undergraduate major based upon their interests and talents. As part of their undergraduate major, they will need to incorporate coursework required by their chosen professional school. Students should meet with the Biomedical Program advisor and research their prospective professional schools for specific requirements, as different universities may require different courses.

For additional information about various educational opportunities contact
Undergraduate Research
Building 1, Room 1600
620-2649
www.unf.edu/coas/prelaw

Study Abroad
Building 58, Room 2300
620-2657
www.unf.edu/intlctr

Leadership Program
Building 57, Room 2750
620-5934
www.unf.edu/taylor-leadership

For additional information about graduate school contact
The Graduate School
Building 1, Room 2000
620-1360
www.unf.edu/graduate

Pre-Law Advisor
Building 51, Room 2117
620-1069
www.unf.edu/coas/prelaw

Biomedical Program Advisor
Building 59, Room 3300
620-2608
www.unf.edu/coas/premed

Petersons Guide
www.petersons.com

U.S. News & World Report
www.usnews.com/education
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## AP Course Equivalencies

<table>
<thead>
<tr>
<th>AP Course</th>
<th>Score</th>
<th>Equivalency</th>
<th>Credit Received</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Art:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art History</td>
<td>3</td>
<td>ARH 2000</td>
<td>3 credits Critical Thinking</td>
</tr>
<tr>
<td>Art History</td>
<td>4, 5</td>
<td>ARH 2050 &amp; ARH 2051</td>
<td>6 credits Critical Thinking</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>3, 4, 5</td>
<td>ART 1300C</td>
<td>3 credits Prerequisite/Electic</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>3, 4, 5</td>
<td>ART 1201C</td>
<td>3 credits Prerequisite/Electic</td>
</tr>
<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>3, 4, 5</td>
<td>ART 2203C</td>
<td>3 credits Prerequisite/Electic</td>
</tr>
</tbody>
</table>

**Computer Science:**

<table>
<thead>
<tr>
<th>Computer Science:</th>
<th>Score</th>
<th>Equivalency</th>
<th>Credit Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science A</td>
<td>3, 4, 5</td>
<td>CGS 1075</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>3, 4, 5</td>
<td>CGS 1076</td>
<td>3 credits Elective</td>
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**Economics & Geography:**

<table>
<thead>
<tr>
<th>Economics &amp; Geography:</th>
<th>Score</th>
<th>Equivalency</th>
<th>Credit Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics - Macro</td>
<td>3, 4, 5</td>
<td>ECO 2013</td>
<td>3 hours Critical Thinking</td>
</tr>
<tr>
<td>Economics - Micro</td>
<td>3, 4, 5</td>
<td>ECO 2023</td>
<td>3 hours Elective/Prerequisite</td>
</tr>
<tr>
<td>Human Geography</td>
<td>3, 4, 5</td>
<td>GEO 2400</td>
<td>3 credits Cultural Awareness</td>
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</table>

**English:**

<table>
<thead>
<tr>
<th>English</th>
<th>Score</th>
<th>Equivalency</th>
<th>Credit Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language &amp; Composition</td>
<td>3</td>
<td>ENC 1101*</td>
<td>3 credits Communication</td>
</tr>
<tr>
<td>Language &amp; Composition</td>
<td>4, 5</td>
<td>ENC 1101 &amp; ENC 1102</td>
<td>6 credits Communication</td>
</tr>
<tr>
<td>Literature &amp; Composition</td>
<td>3</td>
<td>ENC 1101*</td>
<td>3 credits Communication</td>
</tr>
<tr>
<td>Literature &amp; Composition</td>
<td>4, 5</td>
<td>ENC 1101 &amp; ENC 1102</td>
<td>6 credits Communication</td>
</tr>
</tbody>
</table>

* if student already has credit for ENC 1101, their second English AP course will count as an English elective

**Foreign Language:**

<table>
<thead>
<tr>
<th>Foreign Language:</th>
<th>Score</th>
<th>Equivalency</th>
<th>Credit Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>3</td>
<td>CHI 2200</td>
<td>3 credits Foreign Language</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>4, 5</td>
<td>CHI 2200 &amp; CHI 2201</td>
<td>6 credits Foreign Language</td>
</tr>
<tr>
<td>French Language</td>
<td>3</td>
<td>FRE 2240</td>
<td>3 credits Foreign Language</td>
</tr>
<tr>
<td>French Language</td>
<td>4</td>
<td>FRE 2240 &amp; FRE 2241</td>
<td>6 credits Foreign Language</td>
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<tr>
<td>French Literature</td>
<td>3</td>
<td>FRW 3100</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>French Literature</td>
<td>4, 5</td>
<td>FRW 3100 &amp; FRW 3101</td>
<td>6 credits Elective</td>
</tr>
<tr>
<td>German Language</td>
<td>3</td>
<td>GER 2200</td>
<td>3 credits Foreign Language</td>
</tr>
<tr>
<td>German Language</td>
<td>4, 5</td>
<td>GER 2200 &amp; 2201</td>
<td>6 credits Foreign Language</td>
</tr>
<tr>
<td>Italian Language &amp; Culture</td>
<td>3</td>
<td>ITA 2200</td>
<td>3 credits Foreign Language</td>
</tr>
<tr>
<td>Italian Language &amp; Culture</td>
<td>4, 5</td>
<td>ITA 2200 &amp; ITA 2201</td>
<td>6 credits Foreign Language</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
<td>3</td>
<td>JPN 2200</td>
<td>3 credits Foreign Language</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
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<td>JPN 2200 &amp; JPN 2201</td>
<td>6 credits Foreign Language</td>
</tr>
<tr>
<td>Latin Literature</td>
<td>3, 4, 5</td>
<td>LNW 2700</td>
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<tr>
<td>Latin Vergil</td>
<td>3, 4, 5</td>
<td>LNW 2321</td>
<td>3 credits Elective</td>
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<tr>
<td>Russian Language &amp; Culture</td>
<td>3</td>
<td>RUS 2200</td>
<td>3 credits Foreign Language</td>
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<tr>
<td>Russian Language &amp; Culture</td>
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<td>RUS 2200 &amp; RUS 2201</td>
<td>6 credits Foreign Language</td>
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<tr>
<td>Spanish Language</td>
<td>3</td>
<td>SPN 2200</td>
<td>3 credits Foreign Language</td>
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<tr>
<td>Spanish Language</td>
<td>4, 5</td>
<td>SPN 2200 &amp; SPN 2201</td>
<td>6 credits Foreign Language</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>3</td>
<td>SPW 3030</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>4, 5</td>
<td>SPW 3030 &amp; SPW 3000</td>
<td>6 credits Elective</td>
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<td>AP Course</td>
<td>Score</td>
<td>Equivalency</td>
<td>Credit Received</td>
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<tr>
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<tr>
<td><strong>History:</strong></td>
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<tr>
<td>European History</td>
<td>3</td>
<td>EUH 1009</td>
<td>3 credits Elective</td>
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<td>European History</td>
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<td>EUH 1000 &amp; EUH 1001</td>
<td>6 credits Elective</td>
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<tr>
<td>U.S. History</td>
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<td>AMH 1000</td>
<td>3 credits Elective</td>
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<td>U.S. History</td>
<td>4, 5</td>
<td>AMH 2010 &amp; AMH 2020</td>
<td>3 credits Elective Critical Thinking</td>
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<tr>
<td>World History</td>
<td>3, 4, 5</td>
<td>WOH 2022</td>
<td>3 credits Critical Thinking</td>
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<td><strong>Mathematics &amp; Statistics:</strong></td>
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<tr>
<td>Calculus AB</td>
<td>3, 4, 5</td>
<td>MAC 2311</td>
<td>4 credits Quantitative</td>
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<tr>
<td>Calculus BC</td>
<td>3</td>
<td>MAC 2311</td>
<td>4 credits Quantitative</td>
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<td>Calculus BC</td>
<td>4, 5</td>
<td>MAC 2311 &amp; MAC 2312</td>
<td>8 credits Quantitative</td>
</tr>
<tr>
<td>Statistics</td>
<td>3, 4, 5</td>
<td>STA 2014</td>
<td>3 credits Quantitative</td>
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<tr>
<td><strong>Music:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Theory</td>
<td>3*</td>
<td>MUT 1001</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>(composite score of 3)</td>
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</tr>
<tr>
<td>Music Theory</td>
<td>3*, 4, 5</td>
<td>MUT 1111 &amp; MUT 1241</td>
<td>3 credits Critical Thinking</td>
</tr>
<tr>
<td>(if both aural and non-aural subscores are 3 or higher)</td>
<td></td>
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<tr>
<td><strong>Natural Sciences:</strong></td>
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<tr>
<td>Biology</td>
<td>3</td>
<td>BSC 1005C</td>
<td>4 credits Scientific &amp; Lab</td>
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<tr>
<td>Biology</td>
<td>4</td>
<td>BSC 1010C</td>
<td>4 credits Scientific &amp; Lab</td>
</tr>
<tr>
<td>Biology</td>
<td>5</td>
<td>BSC 1010C &amp; BSC 1011C</td>
<td>8 credits Scientific &amp; Lab</td>
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<tr>
<td>Chemistry</td>
<td>3</td>
<td>CHM 1020C</td>
<td>4 credits Scientific &amp; Lab</td>
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<tr>
<td>Chemistry</td>
<td>4</td>
<td>CHM 2045C</td>
<td>4 credits Scientific &amp; Lab</td>
</tr>
<tr>
<td>Chemistry</td>
<td>5</td>
<td>CHM 2045C &amp; CHM 2046C</td>
<td>8 credits Scientific &amp; Lab</td>
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<tr>
<td>Environmental Science</td>
<td>3, 4, 5</td>
<td>ISC 1051</td>
<td>3 credits Scientific</td>
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<tr>
<td>Physics B</td>
<td>3</td>
<td>PHY 2053C</td>
<td>4 credits Scientific &amp; Lab</td>
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<tr>
<td>Physics B</td>
<td>4, 5</td>
<td>PHY 2053C &amp; PHY 2054C</td>
<td>8 credits Scientific &amp; Lab</td>
</tr>
<tr>
<td>Physics C: Electricity/Magnetism</td>
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<td>PHY 2054C</td>
<td>4 credits Scientific &amp; Lab</td>
</tr>
<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>4, 5</td>
<td>PHY 2049C</td>
<td>4 credits Scientific &amp; Lab</td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>3</td>
<td>PHY 2053C</td>
<td>4 credits Scientific &amp; Lab</td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>4, 5</td>
<td>PHY 2048C</td>
<td>4 credits Scientific &amp; Lab</td>
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<tr>
<td><strong>Political Science:</strong></td>
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<tr>
<td>Gov &amp; Politics: Comparative</td>
<td>3, 4, 5</td>
<td>CPO 2002</td>
<td>3 credits Elective</td>
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<tr>
<td>Gov &amp; Politics: United States</td>
<td>3, 4, 5</td>
<td>POS 2041</td>
<td>3 credits Critical Thinking</td>
</tr>
<tr>
<td><strong>Psychology:</strong></td>
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<tr>
<td>Psychology</td>
<td>3, 4, 5</td>
<td>PSY 2012</td>
<td>3 credits Critical Thinking</td>
</tr>
</tbody>
</table>
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### International Baccalaureate Credit

#### IB Course

<table>
<thead>
<tr>
<th>Art Area:</th>
<th>Score</th>
<th>Equivalency</th>
<th>Credit Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Film Studies</td>
<td>4</td>
<td>FIL 1001</td>
<td>3 credits Critical Thinking</td>
</tr>
<tr>
<td>Film Studies</td>
<td>5, 6, 7</td>
<td>FIL 1001 &amp; FIL 1002</td>
<td>3 credits Critical Thinking &amp; 3 credits Elective</td>
</tr>
<tr>
<td>Music</td>
<td>4</td>
<td>MUL 1010</td>
<td>3 credits Critical Thinking</td>
</tr>
<tr>
<td>Music</td>
<td>5, 6, 7</td>
<td>MUL 1010 &amp; MUL 1000</td>
<td>3 credits Critical Thinking &amp; 3 credits Elective</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>4</td>
<td>THE 2000</td>
<td>3 credits Critical Thinking</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>5, 6, 7</td>
<td>THE 2000 &amp; THE 2001</td>
<td>3 credits Critical Thinking &amp; 3 credits Elective</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>4</td>
<td>ART 1012</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>5, 6, 7</td>
<td>ART 1012 &amp; ART 1201C</td>
<td>3 credits Elective &amp; 3 credits Prerequisite</td>
</tr>
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#### Business:

<table>
<thead>
<tr>
<th>Business and Management</th>
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<th>GEB 1011</th>
<th>3 credits Elective</th>
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</thead>
<tbody>
<tr>
<td>Business and Management</td>
<td>5, 6, 7</td>
<td>GEB 1011 &amp; MAN 2652</td>
<td>6 credits Elective</td>
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</table>

#### Computing Technology:

<table>
<thead>
<tr>
<th>Computer Science</th>
<th>4</th>
<th>CGS 1078</th>
<th>3 credits Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science</td>
<td>5, 6, 7</td>
<td>CGS 1078 &amp; CGS 1570</td>
<td>6 credits Elective</td>
</tr>
<tr>
<td>Design Technology</td>
<td>4</td>
<td>ETI 1410</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>Design Technology</td>
<td>5, 6, 7</td>
<td>ETI 1410 &amp; ETI 1000</td>
<td>6 credits Elective</td>
</tr>
<tr>
<td>Information &amp; Technology for a Global Society</td>
<td>4</td>
<td>CGS 1078</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>Information &amp; Technology for a Global Society</td>
<td>5, 6, 7</td>
<td>CGS 1078 &amp; CGS 1100</td>
<td>6 credits Elective</td>
</tr>
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#### Economics & Geography:

<table>
<thead>
<tr>
<th>Economics</th>
<th>4</th>
<th>ECO 1000</th>
<th>3 credits Elective</th>
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</thead>
<tbody>
<tr>
<td>Economics</td>
<td>5, 6, 7</td>
<td>ECO 2013 &amp; ECO 2023</td>
<td>3 credits Elective/Prerequisite</td>
</tr>
<tr>
<td>Geography</td>
<td>4</td>
<td>GEA 1000</td>
<td>3 credits Critical Thinking</td>
</tr>
<tr>
<td>Geography</td>
<td>5, 6, 7</td>
<td>GEO 2200 &amp; GEO 2400</td>
<td>3 credits Elective</td>
</tr>
<tr>
<td>English A1</td>
<td>4</td>
<td>ENC 1101*</td>
<td>3 credits Communication</td>
</tr>
<tr>
<td>English A1</td>
<td>5, 6, 7</td>
<td>ENC 1101 &amp; ENC 1102</td>
<td>6 credits Communication</td>
</tr>
</tbody>
</table>

* if student already has credit for ENC 1101, their IB English credit will count as an English elective

#### Foreign Language:

<table>
<thead>
<tr>
<th>French</th>
<th>4</th>
<th>FRE 1121</th>
<th>4 credits Foreign Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>5, 6, 7</td>
<td>FRE 1121 &amp; FRE 2240</td>
<td>7 credits Foreign Language</td>
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<tr>
<td>German</td>
<td>4</td>
<td>GER 1121</td>
<td>4 credits Foreign Language</td>
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<tr>
<td>German</td>
<td>5, 6, 7</td>
<td>GER 1121 &amp; GER 2200</td>
<td>7 credits Foreign Language</td>
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<tr>
<td>Latin</td>
<td>4</td>
<td>LAT 1120</td>
<td>4 credits Elective</td>
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<tr>
<td>Latin</td>
<td>5, 6, 7</td>
<td>LAT 1120 &amp; LAT 1230</td>
<td>7 credits Elective</td>
</tr>
<tr>
<td>Spanish</td>
<td>4</td>
<td>SPN 1121</td>
<td>4 credits Foreign Language</td>
</tr>
<tr>
<td>Spanish</td>
<td>5, 6, 7</td>
<td>SPN 1121 &amp; SPN 2200</td>
<td>7 credits Foreign Language</td>
</tr>
</tbody>
</table>

*IB CREDIT* The University of North Florida
<table>
<thead>
<tr>
<th>IB Course</th>
<th>Score</th>
<th>Equivalency</th>
<th>Credit Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
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<td></td>
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<tr>
<td>History</td>
<td>4</td>
<td>WOH 1030</td>
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</tr>
<tr>
<td>History</td>
<td>5, 6, 7</td>
<td>WOH 1030 &amp; EUH 1000 or AMH 2020</td>
<td>3 credits Elective or Critical Thinking</td>
</tr>
<tr>
<td>Islamic History</td>
<td>4</td>
<td>ASH 3223</td>
<td>3 credits Critical Thinking</td>
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<tr>
<td>Islamic History</td>
<td>5, 6, 7</td>
<td>ASH 3223 &amp; ASH 1000</td>
<td>3 credits Critical Thinking</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>Advanced Mathematics</td>
<td>4</td>
<td>MHF 3202</td>
<td>3 credits Quantitative</td>
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<tr>
<td>Advanced Mathematics</td>
<td>5, 6, 7</td>
<td>MHF 3202 &amp; MHF 2209</td>
<td>6 credits Quantitative</td>
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<tr>
<td>Math Methods</td>
<td>4</td>
<td>MAC 1105</td>
<td>3 credits Quantitative</td>
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<td>Math Methods</td>
<td>5</td>
<td>MAC 1105 &amp; MAC 1140</td>
<td>7 credits Quantitative</td>
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<td>Math Methods</td>
<td>6, 7</td>
<td>MAC 1140 &amp; MAC 2233</td>
<td>7 credits Quantitative</td>
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<tr>
<td>Mathematics</td>
<td>4</td>
<td>MAC 1147</td>
<td>4 credits Quantitative</td>
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<td>MAC 1147 &amp; MAC 2233</td>
<td>7 credits Quantitative</td>
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<td>Mathematics</td>
<td>6, 7</td>
<td>MAC 2233 &amp; MAC 2311</td>
<td>7 credits Quantitative</td>
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<tr>
<td>Math Studies</td>
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<td>MAT 1033</td>
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<td>5, 6, 7</td>
<td>MAT 1033 &amp; MGF 1106</td>
<td>3 credits Elective</td>
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<tr>
<td>Natural Sciences</td>
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<tr>
<td>Biology</td>
<td>4</td>
<td>BSC 1005C</td>
<td>4 credits Scientific &amp; Lab</td>
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<td>Biology</td>
<td>5, 6, 7</td>
<td>BSC 1005C &amp; BSC 1010C</td>
<td>8 credits Scientific &amp; Lab</td>
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<tr>
<td>Chemistry</td>
<td>4</td>
<td>CHM 1020C</td>
<td>4 credits Scientific &amp; Lab</td>
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<tr>
<td>Chemistry</td>
<td>5, 6, 7</td>
<td>CHM 1020C &amp; CHM 2045C</td>
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<td>4</td>
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<td>3 credits Critical Thinking</td>
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<tr>
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<td>4</td>
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<td>ANT 2410 &amp; ANT 1000</td>
<td>3 credits Critical Thinking</td>
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</table>
The area code for the University of North Florida is 904.

- **Academic Center for Excellence**: 620-1012
- **Academic Testing**: 620-2927
- **Admissions**: 620-2624
- **Athletics**: 620-2833
- **Bookstore**: 620-2665
- **Career Services**: 620-2955
- **Cashier’s Office**: 620-2472
- **Club Alliance**: 620-1470
- **Computer Help Desk**: 620-4357
- **Counseling Center**: 620-2602
- **Dining Services**: 620-2543
- **Disability Resource Center**: 620-2769
- **Greek Life**: 620-2975
- **Health Promotions**: 620-1570
- **Honors Program**: 620-2649
- **Housing**: 620-4663
- **International Center**: 620-2657
- **Library**: 620-2615
- **Osprey 1Card Office**: 620-4000
- **Medical Clinic**: 620-2900
- **Medical Compliance**: 620-2175
- **Military and Veterans Resource Center**: 620-5131
- **New Student Orientation**: 620-1722
- **Ombudsman**: 620-1491
- **One Stop Student Services**: 620-5555
- **Osprey Productions**: 620-2460
- **Parents Association**: 620-1567
- **Parking Services**: 620-2815
- **Police Department**: 620-2800
- **ROTC (Army)**: 620-3999
- **Spinnaker Student Paper**: 620-2727
- **Student Conduct Office**: 620-3979
- **Student Government**: 620-2750
- **Volunteer Services**: 620-2955
- **Wellness Center**: 620-5212