Bachelor of Arts in Computer Science (BACS) – Python Track & C Track Concentrations – (2023-2024)  
College of Engineering & Computer Science

**FOUNDATIONS OF WRITTEN COMMUNICATION**  
(6 credit hours required – Writing Across the Curriculum - WAC)  
Grade of “C” or higher is required in each course.

___ ENC 1101 ....... College Writing I **(REQUIRED)**  
___ ENC 1102 ....... College Writing II +

**THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:**  
___ ENC 1939 + .... Special Topic: College Writing  
___ HIS 2050 + ..... Writing History

**Note:** Students must take four Writing-Across-the-Curriculum (WAC) courses, two of which must be taken from Foundations of Written Communication.

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**FOUNDATIONS OF SCIENCE & THE NATURAL WORLD**  
(6 credit hours required - One of the courses must have a lab)  
Student must take 2 of the following courses, 1 must be from group A.  
The second course may be from group A or group B.

**Group A**

___ AST 2002  
   Intro. to Astronomy  
___ BSC 1005 & L  
   Life Science (3 cr. w/Lab)  
___ CHM 1020C  
   Contemp. Chemical Issues  
___ ESC 2000  
   The Blue Planet **(online)**  
___ EVR 1001  
   Env. Sci. and Sustainability

**Group B**

___ ANT 2511 & L  
   Intro to Biological Anthropology (4 cr. w/ Lab)  
___ ETG 2831  
   Nature: Inter. of Sci., Eng., & the Humanities  
___ GLY 2010C  
   Physical Geol. (4 cr. w/Lab)  
___ GLY2100  
   History of Earth and Life  
___ IDS 2382  
   Human Mission to Mars  
___ MET 2010  
   Weather, Climate & Climate Change  
___ PSC 2121  
   Physical Science

(D) = Discussion, (L) = Lab  
Courses indicating a (D) or (L) are linked with a lecture, a lab, and/or a discussion.  
If you select one of these courses, you must register for the lecture, lab, and/or discussion.  
You must attend the lecture, lab, and/or discussion.

**FOUNDATIONS OF MATHEMATICS & QUANTITATIVE REASONING**  
(6 credit hours required – Grade of “C” or higher is required)  
Student must take 2 of the following courses, 1 must be from group A.  
The second course may be from group A or group B.

**Group A**

___ MGF 1106 ..... Math for Liberal Arts 1  
___ MGF 1107 ..... Math for Liberal Arts 2  
___ MAC 1105 ..... College Algebra  
___ STA 2023 ..... Introductory Statistics **(Required)**  
___ MAC 2311 ..... Calculus with Analytic Geometry 1 (4 credits)  
   or any mathematics course for which one of the above courses is the direct prerequisite

**Group B**

___ MAC 1147 ..... Precalculus Algebra & Trigonometry (4 credits)  
___ MAC 2210 ..... Intro Calculus w/Applications (4 credits) **(Permit Only)**  
___ MAC 2233 ..... Methods of Calculus **(Required)**  
___ MAC 2241 ..... Life Science Calculus 1 (4 credits)  
___ MAC 2312 ..... Calculus with Analytic Geometry 2 (4 credits)  
___ PHI 2102....... Logic

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**FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR**  
(6 credit hours required)  
Student must take 2 of the following courses, 1 must be from group A.  
The second course may be from group A or group B.

**Group A**

___ AMH 2020 & D ...... United States History Since 1877 ◊  
___ ANT 2000 & D ....... Introduction to Anthropology **(WAC)**  
___ ECO 2013 .............. Macroeconomic Principles §  
___ POS 2041 .............. Government of the United States ◊  
___ PSY 1012 ............... Introduction to Psychology  
___ SYG 1000............... Sociological Perspectives

**Group B**

___ AMH 2010 & D ...... United States History to 1877  
___ CCJ 2002 .............. Law, Crime & the Criminal Justice System ±  
___ DIG 2202 .............. Digital Culture  
___ ECO 2023 .............. Microeconomic Principles §  
___ ECP 2002 .............. Contemporary Economic Issues  
___ EEX 2091 .............. Disability and Society  
___ EME 2620............... Digital Literacy in a Globally Connected World ☑  
___ EVR 1110............. Climate Change: The Human Dimensions  
___ EVR 2017 .............. Environment and Society  
___ LIN 2001 ............. Introduction to Language **(online course)**  
___ PAD 2081 .............. Risk Resilience and Rising Seas ±  
___ PAD 2258 .............. Changing Environment of Soc., Bus., & Gov’t  
___ SYG 2010 .............. Social Problems  
___ URP 2051 .............. Designing the City

◊ Civic Literacy Requirement ◊  
https://www.fau.edu/ugstudies/civic-literacy-requirement/

Beginning in Summer 2021, Florida Legislature amended the statute and now requires students to complete both a civic literacy course (AMH 2020 or POS 2041) and an assessment exam.
### Foundations in Global Citizenship
*(6 credit hours required)*
Student must choose two (2) courses from among the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2410</td>
<td>Culture and Society</td>
</tr>
<tr>
<td>EDF 2854</td>
<td>Educated Citizen in Global Context</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>World Geography</td>
</tr>
<tr>
<td>INR 2002</td>
<td>Introduction to World Politics</td>
</tr>
<tr>
<td>JST 2452</td>
<td>Global Jewish Communities</td>
</tr>
<tr>
<td>LAS 2000</td>
<td>Intro to Caribbean &amp; Latin American Studies</td>
</tr>
<tr>
<td>LIN 2607</td>
<td>Global Perspectives on Language</td>
</tr>
<tr>
<td>MAR 2142</td>
<td>Culture, Consumers and the Global Marketplace</td>
</tr>
<tr>
<td>MUH 2121</td>
<td>Music in Global Society</td>
</tr>
<tr>
<td>POT 2000</td>
<td>Global Political Theory</td>
</tr>
<tr>
<td>SYP 2450</td>
<td>Global Society</td>
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<tr>
<td>SOW 1005</td>
<td>Global Perspectives of Social Services</td>
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<tr>
<td>SOW 1130</td>
<td>Race and Cultural Inclusion in Social Work</td>
</tr>
<tr>
<td>WOH 2012 &amp; D</td>
<td>History of Civilization 1 <em>(WAC) ++</em></td>
</tr>
<tr>
<td>WOH 2022</td>
<td>History of Civilization 2</td>
</tr>
<tr>
<td>WST 2351</td>
<td>Gender and Climate Change</td>
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</tbody>
</table>

### Foundations of Humanities
*(6 credit hours required)*
Student must take 2 of the following courses, 1 must be from group A. The second course may be from group A or group B.

<table>
<thead>
<tr>
<th>Group A</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2000</td>
<td>Art Appreciation</td>
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<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
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<tr>
<td>PHI 2010 &amp; D</td>
<td>Introduction to Philosophy <em>(WAC) ++</em></td>
<td></td>
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<tr>
<td>THE 2000</td>
<td>Theatre Appreciation</td>
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<table>
<thead>
<tr>
<th>Group B</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 2208</td>
<td>Culture &amp; Architecture</td>
<td></td>
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<tr>
<td>DAN 2100</td>
<td>Appreciation of Dance</td>
<td></td>
</tr>
<tr>
<td>FIL 2000 &amp; D</td>
<td>Film Appreciation</td>
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<tr>
<td>HUM 2471</td>
<td>Racism and Anti-Racism</td>
<td></td>
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<tr>
<td>LIT 2010</td>
<td>Interpretation of Fiction <em>(WAC) ++</em></td>
<td></td>
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<tr>
<td>LIT 2030</td>
<td>Interpretation of Poetry <em>(WAC) ++</em></td>
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<tr>
<td>LIT 2040</td>
<td>Interpretation of Drama <em>(WAC) ++</em></td>
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<tr>
<td>LIT 2070</td>
<td>Interpretation of Creative Nonfiction <em>(WAC) ++</em></td>
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<tr>
<td>LIT 2100</td>
<td>Introduction to World Literature</td>
<td></td>
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<tr>
<td>LIT 2931</td>
<td>Special Topics in Literature *(WAC) ++</td>
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</tr>
<tr>
<td>SPC 2608</td>
<td>Public Speaking</td>
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#### Legend

- **+** - ENC 1101 is a prerequisite.
- **++** - Two Foundations of Written Communications classes are required before taking this course.
- **§** - Sophomore standing (30 credits earned) is a requirement to take this course.
- *** - MAC 2311 is a prerequisite for this course.
- **** - MAC 2233 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- **‡** - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
- **±** - Starting Spring 2022
- **Ω** - Starting Fall 2023
- **◊** - See information box regarding Civic Literacy Requirement
- **WAC -** *(WAC)* Writing across the curriculum course.

### Writing Across the Curriculum (WAC)/Gordon Rule

Students must attain grades of “C” or higher. 12 credits of writing (WAC) and 6 credits of mathematics are required.

**Please note:**

Students must take four (4) WAC courses. Two (2) courses are to be taken from Foundations of Written Communication. We strongly recommend the two additional WAC courses come from these courses:


### Credit Summary – IFP/Major Core/College Requirements/Electives

<table>
<thead>
<tr>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>Intellectual Foundations Program</td>
</tr>
<tr>
<td>39</td>
<td>BACS Required Courses</td>
</tr>
<tr>
<td>27</td>
<td>Free Electives <em>(Free electives are courses in any college, any department needed to meet the 120 credits required for graduation).</em></td>
</tr>
<tr>
<td>18</td>
<td>Computer Science Electives</td>
</tr>
<tr>
<td>120</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

### Elective Credits

The number of elective credits allowed varies by major. Please consult with an academic advisor to determine the number of elective credits required for your major. **Certain majors do not allow any electives.**

### Advising Information

**Incoming Freshman & Transfer Students w/ less than 30 credits contact:**

University Advising Services (UAS)
Phone: (561) 297 – 3064
Email: Advisingservices@fau.edu
Website: www.fau.edu/uas

**Transfer students with more than 30 credits contact:**

Division of Engineering Student Services & Advising (DESSA)
Phone: (561) 297 – 2780
Website: www.fau.edu/engineering/dessa/organization/