

**BIOTECHNOLOGY (60 Credits)****Guided Pathway: Associate of Arts****Concentration: Biotechnology (FULL TIME).**For more information, visit [www.fgc.edu](http://www.fgc.edu) and your academic advisor.

Meta-major: STEM

University Transfer: **FGCU, SFC, UCF**

The **Associate of Arts** degree is a collegiate degree program consisting of lower-division courses intended for transfer to baccalaureate programs at the universities listed above<sup>ii</sup>. This plan is for those who are interested in earning a baccalaureate degree in **Biotechnology**.

This is the sequence of courses for students interested in majoring in **Biotechnology** at one of the universities listed above. It does not represent a contract, nor does it guarantee course availability or entry into your university of choice. This pathway presents classes needed for your baccalaureate degree in **Biotechnology**. Courses that complete the degree are listed below. As always, visit your academic advisor each semester to help you keep on track for graduation.

**\*Note: All AA degrees must satisfy the Foreign Language requirement for graduation. Please see catalog\*****FULL-TIME  
Pathway****SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS**

SEMESTER 1		ACTION ITEMS	
ENC 1101 – Freshman Composition I <sup>iv</sup> (Communication core)		<ul style="list-style-type: none"><li>Meet with your advisor to confirm academic and career goals by the end of the semester.</li><li><b>REQUIRED:</b> Complete the <i>Computer Competency</i> course within Canvas.</li><li>Signup for and pass the Florida Civic Literacy Exam.</li><li>Consult your advisor to make sure you have met <i>the Foreign Language requirement</i>.</li><li>At the end of the semester, begin research on college and universities where you want to seek to transfer. Meet with a career advisor/coach to research your career options with a degree in <i>Biotechnology</i>.</li><li>Remember to start collecting artifacts from your courses for your Academic &amp; Career Portfolio in SLS 2370</li><li>Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none"><li>You can start the FAFSA in October for the next academic year. (i.e., in October 2024, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2025)</li></ul></li></ul>	
Choose one: AMH 2010 – US History to 1877 <b>OR</b> AMH 2020 – US History from 1877 <b>OR</b> POS 1041 – American Government <sup>iv</sup> (Social Science & civic literacy)			
MAC 1105 – College Algebra <sup>vii</sup> (Mathematics core)			
BSC 2010C – General Biology I with Lab (Biological Science Core) (4 cr)			
CHM 2045/L – General Chemistry I/Lab (Physical Science) (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 17			
SEMESTER 2		ACTION ITEMS	
Choose one: ENC 1102 – Freshman Composition II <b>OR</b> CRW 2001 – Creative Writing <b>OR</b> ENC 1141 – Writing about Literature <sup>iv</sup> (Communication)		<ul style="list-style-type: none"><li>Meet with your advisor to confirm or update your academic/career pathway and program of study.</li><li>Ask about transfer advising to discuss options to pursue the bachelor's degree.</li><li>Continue collecting artifacts from courses for your Academic &amp; Career Portfolio in SLS 2370</li></ul>	
MAC 2233 – Survey of Calculus <sup>iv</sup> (Mathematics Core) (4 cr)			
BSC 2011C – General Biology II with Lab (Elective Prerequisite)			
CHM 2046/L – General Chemistry II/Lab <sup>iv</sup> (Elective Prerequisite) (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 15			
SEMESTER 3		ACTION ITEMS	
Choose one: LIT 2000 – Introduction to Literature <b>OR</b> Any general education AML, ENL, LIT, PHI or REL courses (Humanities) <sup>iv</sup>		<ul style="list-style-type: none"><li>Begin applying to your top choice universities.</li><li>Begin applying for Financial Aid and Scholarships.<ul style="list-style-type: none"><li>You can start the FAFSA in October for the next academic year. (i.e., in October 2024, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2025)</li></ul></li><li>Check with your advisor for important deadlines and dates.</li></ul>	
SLS 2370 – Personal Academic & Career Engagement <sup>iv</sup> (3rd Soc Sci)			
CHM 2210/L – Organic Chemistry I/Lab <sup>v</sup> (Elective Prerequisite) (4 cr)			
STA 2023 – Elementary Statistics <sup>iv</sup> (Elective Prerequisite)			
PHY 2053C – General Physics I (Elective Prerequisite) (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 17			

SEMESTER 4	ACTION ITEMS
<b>Choose one:</b> SPC 2608 – Public Speaking <b>OR</b> SPC 1017 – Oral Communications <b>OR</b> SPC 1061 – Introduction to Academic and Professional Speaking <sup>iv</sup> (Communications)	<ul style="list-style-type: none"><li>After reviewing your final program of study, apply for Graduation.<ul style="list-style-type: none"><li>Meet with your advisor to apply for graduation for your degree.</li><li>Sign up for commencement.</li></ul></li><li>Request final transcripts sent to the transferring college or university.</li><li>Congratulations, graduate!</li></ul>
<b>Choose one:</b> ARH 1000 – Art Appreciation <b>OR</b> HUM 2020 – Introduction to Humanities <b>OR</b> MUL 2010 – Music Appreciation <b>OR</b> THE 2000 – Theatre Appreciation <sup>iv</sup> (Humanities core)	
<b>Choose one:</b> PSY 2012 – General Psychology <b>OR</b> SYG 1000 – Introduction to Sociology <b>OR</b> SYG 2300 – Introduction to Social Psychology <b>OR</b> Any DEP or ECO course (Social Science) <sup>iv</sup>	
CHM 2211/L – Organic Chemistry II/Lab <sup>vi</sup> (Elective Prerequisite) (4 cr)	
PHY 2054C – General Physics II (Elective Prerequisite) (4 cr)	
TOTAL SEMESTER CREDIT HOURS: 17	
AABT DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS PATHWAY TOTAL: 66 <sup>vii</sup> CREDIT HOURS	

<sup>i</sup> Degree plans may change in later catalogs. You may use this pathway if you entered the college on or before this date.

<sup>ii</sup> Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by FGC to award the degree.

<sup>iii</sup> This is not an official degree plan. For official degree requirements, [click here](#).

<sup>iv</sup> You must earn a grade of "C" or better in all Gordon Rule classes.

<sup>v</sup> This course is only offered in the fall term

<sup>vi</sup> This course is only offered in the spring term

<sup>vii</sup> If student enrolls ready for MAC 1114/1140, then MAC 1105 is not necessary, bringing the Total Pathway credits to 63.

**BIOTECHNOLOGY (60 Credits)****Guided Pathway: Associate of Arts****Concentration: Biotechnology (PART TIME).**For more information, visit [www.fgc.edu](http://www.fgc.edu) and your academic advisor.

Meta-major: STEM

University Transfer: **FGCU, SFC, UCF**

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Pathway****SEMESTER BY SEMESTER MAP FOR PART-TIME STUDENTS**

SEMESTER 1		ACTION ITEMS	
ENC 1101 – Freshman Composition I <sup>iv</sup> (Communication core)		<ul style="list-style-type: none"><li>Meet with your advisor to confirm academic and career goals by the end of the semester.</li><li><b>REQUIRED:</b> Complete the <b>Computer Competency</b> course within Canvas.</li><li>Signup for and pass the Florida Civic Literacy Exam.</li><li>Consult your advisor to make sure you have met <b>the Foreign Language requirement</b>.</li><li>Remember to start collecting artifacts from your courses for your Academic &amp; Career Portfolio in SLS 2370.</li><li>Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none"><li>You can start the FAFSA in October for the next academic year. (i.e., in October 2024, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2025)</li></ul></li></ul>	
Choose one: AMH 2010 – US History to 1877 OR AMH 2020 – US History from 1877 OR POS 1041 – American Government <sup>iv</sup> (Social Science & civic literacy)			
MAC 1105 – College Algebra <sup>vii</sup> (Mathematics core)			
TOTAL SEMESTER CREDIT HOURS: 9			
SEMESTER 2		ACTION ITEMS	
CHM 2045/L – General Chemistry I/Lab (Physical Science) (4 cr)		<ul style="list-style-type: none"><li>At the end of the semester, begin research on college and universities where you want to seek to transfer. Meet with a career advisor/coach to research your career options with a degree in <b>Biotechnology</b>.</li><li>Continue collecting artifacts from courses for your Academic &amp; Career Portfolio in SLS 2370.</li></ul>	
Choose one: ENC 1102 – Freshman Composition II OR CRW 2001 – Creative Writing OR ENC 1141 – Writing about Literature <sup>iv</sup> (Communication)			
STA 2023 – Elementary Statistics <sup>iv</sup> (Elective Prerequisite)			
TOTAL SEMESTER CREDIT HOURS: 10			
SEMESTER 3		ACTION ITEMS	
MAC 2233 – Survey of Calculus <sup>iv</sup> (Mathematics Core) (4 cr)		<ul style="list-style-type: none"><li>Meet with your advisor to confirm or update your academic/career pathway and program of study.</li><li>Continue collecting artifacts from courses for your Academic &amp; Career Portfolio in SLS 2370.</li><li>Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none"><li>You can start the FAFSA in October for the next academic year. (i.e., in October 2024, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2025)</li></ul></li></ul>	
CHM 2046/L – General Chemistry II/Lab <sup>iv</sup> (Elective Prerequisite) (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 8			
SEMESTER 4		ACTION ITEMS	
CHM 2210/L – Organic Chemistry I/Lab <sup>v</sup> (Elective Prerequisite) (4 cr)		<ul style="list-style-type: none"><li>Meet with your advisor and ask about transfer advising to discuss options to pursue the bachelor’s degree.</li><li>Continue collecting artifacts from courses for your Academic &amp; Career Portfolio in SLS 2370</li></ul>	
BSC 2010C – General Biology I with Lab (Biological Science Core) (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 8			

SEMESTER 5		ACTION ITEMS	
CHM 2211/L – Organic Chemistry II/Lab <sup>vi</sup> (Elective Prerequisite) (4 cr)		<ul style="list-style-type: none"><li>Meet with your advisor to confirm academic and career goals by the end of the semester.</li><li>Meet with a career advisor/coach to research your career options.</li><li>Continue collecting artifacts from your courses for your Academic &amp; Career Portfolio in SLS 2370.</li><li>Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none"><li>You can start the FAFSA in October for the next academic year. (i.e., in October 2024, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2025)</li></ul></li></ul>	
BSC 2011C – General Biology II with Lab (Elective Prerequisite) (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 7			
SEMESTER 6		ACTION ITEMS	
<b>Choose one:</b> ARH 1000 – Art Appreciation <b>OR</b> HUM 2020 – Introduction to Humanities <b>OR</b> MUL 2010 – Music Appreciation <b>OR</b> THE 2000 – Theatre Appreciation <sup>iv</sup> (Humanities core)		<ul style="list-style-type: none"><li>Meet with your advisor to confirm or update your academic/career pathway and program of study.</li></ul>	
<b>Choose one:</b> SPC 2608 – Public Speaking <b>OR</b> SPC 1017 – Oral Communications <b>OR</b> SPC 1061 – Introduction to Academic and Professional Speaking <sup>iv</sup> (Communications)			
SLS 2370 – Personal Academic & Career Engagement <sup>iv</sup> (3rd Soc Sci)			
TOTAL SEMESTER CREDIT HOURS: 10			
SEMESTER 7		ACTION ITEMS	
PHY 2053C – General Physics I (Elective Prerequisite) (4 cr)		<ul style="list-style-type: none"><li>Begin applying to your top choice universities.</li><li>Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none"><li>You can start the FAFSA in October for the next academic year. (i.e., in October 2024, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2025)</li></ul></li><li>Check with your advisor for important deadlines and dates</li></ul>	
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TOTAL SEMESTER CREDIT HOURS: 7			
SEMESTER 8		ACTION ITEMS	
<b>Choose one:</b> LIT 2000 – Introduction to Literature <b>OR</b> Any general education AML, ENL, LIT, PHI or REL courses (Humanities) <sup>iv</sup>		<ul style="list-style-type: none"><li>After reviewing your final program of study, apply for Graduation.<ul style="list-style-type: none"><li>Meet with your advisor to apply for your degree.</li><li>Sign up for commencement.</li></ul></li><li>Request final transcripts to be sent to the college or university to where you will transfer.</li><li>Congratulations, graduate!</li></ul>	
PHY 2054C – General Physics II (Elective Prerequisite) (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 7			
AABT DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS PATHWAY TOTAL: 66 <sup>vii</sup> CREDIT HOURS			

<sup>i</sup> Degree plans may change in later catalogs. You may use this pathway if you entered the college on or before this date.

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