

COMPUTER SCIENCE (60 Credits)**Guided Pathway: Associate of Arts****Concentration: Computer Science (FULL TIME)**For more information, visit www.fgc.edu and your academic advisor.

Meta-major: STEM

University Transfer: **UNF, UWF**

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 aboveⁱⁱ. This plan is for those who are interested in earning a baccalaureate degree in **Computer Science**.

This is the sequence of courses for students interested in majoring in **Computer Science** 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 **Computer Science**. 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 ^{iv} <i>(Communication core)</i>	<ul style="list-style-type: none">Meet with your advisor to confirm academic and career goals by the end of the semester.REQUIRED: Complete the <i>Computer Competency</i> course within Canvas.Signup for and pass the Florida Civic Literacy Exam.Consult your advisor to make sure you have met <i>the Foreign Language requirement</i>.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>Computer Science</i>.Remember to start collecting artifacts from your courses for your Academic & Career Portfolio in SLS 2370.Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none">You can start the FAFSA in October for the next academic year. <i>(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)</i>
<u>Choose one:</u> AMH 2010 – US History to 1877 OR AMH 2020 – US History from 1877 OR POS 1041 – American Government ^{iv} <i>(Social Science & civic literacy)</i>	
MAC 1105 – College Algebra <i>(Mathematics core)</i>	
<u>Choose one:</u> COP 2334C – Beginning C++ Programming OR COP 2800 – JAVA <i>(Elective Prerequisite)</i>	
<u>Choose one:</u> BSC 1005 – Biological Principles for Non-Majors OR Any general education BOT, BSC, MCB, or ZOO course <i>(Biological Science)</i> (3-4 cr)	
TOTAL SEMESTER CREDIT HOURS: 15-16	
SEMESTER 2	ACTION ITEMS
<u>Choose one:</u> ENC 1102 – Freshman Composition II OR CRW 2001 – Creative Writing OR ENC 1141 – Writing about Literature ^{iv} <i>(Communication)</i>	<ul style="list-style-type: none">Meet with your advisor to confirm or update your academic/career pathway and program of study.Ask about transfer advising to discuss options to pursue the bachelor's degree.Continue collecting artifacts from courses for your Academic & Career Portfolio in SLS 2370.
MAC 1140 – Precalculus ^{iv} <i>(Mathematics)</i>	
MAC 1114 - Trigonometry ^{iv} <i>(Elective Prerequisite)</i>	
<u>Choose one:</u> ARH 1000 – Art Appreciation OR HUM 2020 – Introduction to Humanities OR MUL 2010 – Music Appreciation OR THE 2000 – Theatre Appreciation ^{iv} <i>(Humanities core)</i>	
TOTAL SEMESTER CREDIT HOURS: 12	

SEMESTER 3		ACTION ITEMS	
Choose one: LIT 2000 – Introduction to Literature OR Any general education AML, ENL, LIT, PHI or REL courses <i>(Humanities)^{iv}</i>		<ul style="list-style-type: none">• Meet with your advisor to confirm or update your academic/career pathway and program of study.• Ask about transfer advising to discuss options to pursue the bachelor’s degree.• Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none">◦ You can start the FAFSA in October for the next academic year. <i>(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)</i>• Check with your advisor for important deadlines and dates• Continue collecting artifacts from courses for your Academic & Career Portfolio in SLS 2370.	
MAC 2311 – Calculus I ^{iv} <i>(Elective Prerequisite)</i> (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 7			
SEMESTER 4		ACTION ITEMS	
SLS 2370 – Personal Academic & Career Engagement ^{iv} (3rd Soc Sci)		<ul style="list-style-type: none">• Begin applying to your top choice universities.• Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none">◦ You can start the FAFSA in October for the next academic year. <i>(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)</i>• Check with your advisor for important deadlines and dates	
Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking ^{iv} <i>(Communications)</i>			
PHY 2048C – General Physics with Calculus I <i>(Physical Science core/ Prerequisite)</i> (5 cr)			
MAC 2312 – Calculus II ^{iv} <i>(Elective Prerequisite)</i> (4 cr)			
TOTAL SEMESTER CREDIT HOURS: 15			
SEMESTER 5		ACTION ITEMS	
PHY 2049C – General Physics with Calculus II <i>(Elective Prerequisite)</i> (5 cr)		<ul style="list-style-type: none">• After reviewing your final program of study, apply for Graduation.<ul style="list-style-type: none">◦ Meet with your advisor to apply for the degree.◦ Sign up for commencement.• Request final transcripts to be sent to the college or university to where you will transfer.• Congratulations, graduate!	
Choose one: PSY 2012 – General Psychology OR SYG 1000 – Introduction to Sociology OR SYG 2300 – Introduction to Social Psychology OR Any DEP or ECO course <i>(Social Science)^{iv}</i>			
Choose one: Any general education AST, BSC, CHM, EVR, GLY, OR MCB course OR BOT 2010C – Botany I ^v <i>(Elective Prerequisite)</i> (3-4 cr)			
TOTAL SEMESTER CREDIT HOURS: 11-12			
AACS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS PATHWAY TOTAL: 60-62 CREDIT HOURS			

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

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

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

^{iv} You must earn a grade of "C" or better in all Gordon Rule classes.

^v This course is only offered in the fall term.

COMPUTER SCIENCE (60 Credits)**Guided Pathway: Associate of Arts****Concentration: Computer Science (PART TIME)**For more information, visit www.fgc.edu and your academic advisor.

Meta-major: STEM

University Transfer: **UNF, UWF**

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 aboveⁱⁱ. This plan is for those who are interested in earning a baccalaureate degree in **Computer Engineering**.

This is the sequence of courses for students interested in majoring in **Computer Engineering** 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 **Computer Engineering**. 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**PART-TIME
Pathway****SEMESTER BY SEMESTER MAP FOR PART-TIME STUDENTS**

SEMESTER 1	ACTION ITEMS
ENC 1101 – Freshman Composition I ^{iv} (Communication core)	<ul style="list-style-type: none">Meet with your advisor to confirm academic and career goals by the end of the semester.REQUIRED: Complete the Computer Competency course within Canvas.Consult your advisor to make sure you have met the Foreign Language requirement.Remember to start collecting artifacts from your courses for your Academic & Career Portfolio in SLS 2370.Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none">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)
MAC 1105 – College Algebra ^{iv} (Mathematics core)	
TOTAL SEMESTER CREDIT HOURS: 6	
SEMESTER 2	ACTION ITEMS
Choose one: AMH 2010 – US History to 1877 OR AMH 2020 – US History from 1877 OR POS 1041 – American Government ^{iv} (Social Science & civic literacy)	<ul style="list-style-type: none">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 Computer Science.Signup for and pass the Florida Civic Literacy Exam.Continue collecting artifacts from courses for your Academic & Career Portfolio in SLS 2370.
MAC 1140 – Precalculus ^{iv} (Mathematics)	
Choose one: BSC 1005 – Biological Principles for Non-Majors OR Any general education BOT, BSC, MCB, or ZOO course (Biological Science) (3-4 cr)	
TOTAL SEMESTER CREDIT HOURS: 9-10	
SEMESTER 3	ACTION ITEMS
MAC 1114 - Trigonometry ^{iv} (Elective Prerequisite)	<ul style="list-style-type: none">Meet with your advisor to confirm or update your academic/career pathway and program of study.Continue collecting artifacts from courses for your Academic & Career Portfolio in SLS 2370.Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none">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)
Choose one: ENC 1102 – Freshman Composition II OR CRW 2001 – Creative Writing OR ENC 1141 – Writing about Literature ^{iv} (Communication)	
Choose one: ARH 1000 – Art Appreciation OR HUM 2020 – Introduction to Humanities OR MUL 2010 – Music Appreciation OR THE 2000 – Theatre Appreciation ^{iv} (Humanities core)	
TOTAL SEMESTER CREDIT HOURS: 9	
SEMESTER 4	ACTION ITEMS
MAC 2311 – Calculus I ^{iv} (Elective Prerequisite) (4 cr)	<ul style="list-style-type: none">Meet with your advisor and ask about transfer advising to discuss options to pursue the bachelor’s degree.Continue collecting artifacts from courses for your Academic & Career Portfolio in SLS 2370.
Choose one: Any general education AST, BSC, CHM, EVR, GLY, OR MCB course OR BOT 2010C – Botany I ^v (Elective Prerequisite) (3-4 cr)	
TOTAL SEMESTER CREDIT HOURS: 7-8	

SEMESTER 5	ACTION ITEMS
MAC 2312 – Calculus II ^{iv} (Elective Prerequisite) (4 cr)	<ul style="list-style-type: none">Meet with your advisor to confirm academic and career goals by the end of the semester.Meet with a career advisor/coach to research your career options.Continue collecting artifacts from your courses for your Academic & Career Portfolio in SLS 2370.Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none">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)
SLS 2370 – Personal Academic & Career Engagement ^{iv} (3rd Soc Sci)	
TOTAL SEMESTER CREDIT HOURS: 7	
SEMESTER 6	ACTION ITEMS
Choose one: COP 2334C – Beginning C++ Programming OR COP 2800 – JAVA (Elective Prerequisite)	<ul style="list-style-type: none">Meet with your advisor to confirm or update your academic/career pathway and program of study.
Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking ^{iv} (Communications)	
TOTAL SEMESTER CREDIT HOURS: 6	
SEMESTER 7	ACTION ITEMS
Choose one: LIT 2000 – Introduction to Literature OR Any general education AML, ENL, LIT, PHI or REL courses (Humanities) ^{iv}	<ul style="list-style-type: none">Begin applying to your top choice universities.Begin applying for Financial Aid and Scholarships<ul style="list-style-type: none">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)Check with your advisor for important deadlines and dates
PHY 2048C – General Physics with Calculus I (Physical Science core/ Prerequisite) (5 cr)	
TOTAL SEMESTER CREDIT HOURS: 8	
SEMESTER 8	ACTION ITEMS
Choose one: PSY 2012 – General Psychology OR SYG 1000 – Introduction to Sociology OR SYG 2300 – Introduction to Social Psychology OR Any DEP or ECO course (Social Science) ^{iv}	<ul style="list-style-type: none">After reviewing your final program of study, apply for Graduation.<ul style="list-style-type: none">Meet with your advisor to apply for your degree.Sign up for commencement.Request final transcripts to be sent to the college or university to where you will transfer.Congratulations, graduate!
PHY 2049C – General Physics with Calculus II (Elective Prerequisite) (5 cr)	
TOTAL SEMESTER CREDIT HOURS: 8	
AACS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS PATHWAY TOTAL: 60-62 CREDIT HOURS	

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

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

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