MATHEMATICS (60 Credits)

Guided Pathway: Associate of Arts

Concentration: Mathematics (FULL TIME)

For more information, visit www.fgc.edu and your academic advisor.

Meta-major: STEM

University Transfer: FAMU, FAU, FGCU, FIU, FSU, UCF, UF, UNF, USF, 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 *Mathematics*.

This is the sequence of courses for students interested in majoring in *Mathematics* 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 *Mathematics*. Courses that complete the degree are listed below. As always, visit your academic advisor each semester to help you keep on track for graduation.



FULL-TIME Pathway

Note: All AA degrees must satisfy the Foreign Language requirement for graduation. Please see catalog

SEMESTER BY SEMESTER MAP FOR FULL-TIME STUDENTS

SEMESTER 1	ACTION ITEMS
ENC 1101 – Freshman Composition I iv (Communication core)	 Meet with your advisor to confirm academic and career goals by the end of the semester. REQUIRED: Complete the Computer Competency course within
Choose one: AMH 2020 – US History from 1865 <i>OR</i> POS 1041 – American Government iv (Social Science & civic literacy)	 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
MAC 1105 - College Algebra (Mathematics core)	universities where you want to seek to transfer. Meet with a career advisor/coach to research your career options with a degree in <i>Mathematics</i> . • Remember to start collecting artifacts from your courses for your
Choose one: BSC 1005 – Biological Principles for Non-Majors <i>OR</i> Any general education BOT, BSC, MCB, or ZOO course (Biological Science) (3-4 cr)	Academic & Career Portfolio in SLS 2370. • Begin applying for Financial Aid and Scholarships • You can start the FAFSA in October for the next academic year. (i.e., in October 2023, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2024)
TOTAL SEMESTE	R CREDIT HOURS: 12-13
SEMESTER 2	ACTION ITEMS
Choose one: ENC 1102 – Freshman Composition II <i>OR</i> CRW 2001 – Creative Writing <i>OR</i> ENC 1141 – Writing about Literature ^{iv} (Communication)	
MAC 1140 - Precalculus iv (Mathematics)	Meet with your advisor to confirm or update your academic/career pathway and program of study.
MAC 1114 - Trigonometry iv (Elective Prerequisite)	Ask about transfer advising to discuss options to pursue the
COP 2334C - Beginning C++ Programming (Elective Prerequisite)	 bachelor's degree. Continue collecting artifacts from courses for your Academic &
Choose one: MUL 1010 – Music Appreciation <i>OR</i> THE 2000 – Theatre Appreciation <i>OR</i> ARH 1000 – Art Appreciation <i>OR</i> HUM 2020 – Introduction to Humanities iv (Humanities core)	Career Portfolio in SLS 2370.

TOTAL SEMESTER CREDIT HOURS: 15

SEMESTER 3	ACTION ITEMS
SEMESTER 3	
MAC 2311 – Calculus I ^{iv} (Elective Prerequisite) (4 cr)	 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
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	 You can start the FAFSA in October for the next academic year. (i.e., in October 2023, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2024) Check with your advisor for important deadlines and dates Continue collecting artifacts from courses for your Academic & Career Portfolio in SLS 2370.
	ER CREDIT HOURS: 7
SEMESTER 4	ACTION ITEMS
SLS 2370 – Personal Academic & Career Engagement iv (3rd Soc Sci) Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking iv (Communications) Choose one: CHM 2045/L – General Chemistry I/Lab OR PHY 2048C – General Physics with Calculus I (Physical Science Core/Prerequisite) (4 cr) MAC 2312 – Calculus II iv (Elective Prerequisite) (4 cr)	 Begin applying to your top choice universities. Begin applying for Financial Aid and Scholarships You can start the FAFSA in October for the next academic year. (i.e., in October 2023, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2024) Check with your advisor for important deadlines and dates
TOTAL SEMESTER	CREDIT HOURS: 14-15
SEMESTER 5	ACTION ITEMS
MAC 2313 – Calculus III ^{iv v} (Elective Prerequisite) (4 cr)	
Choose one: LIT 2000 – Introduction to Literature OR Any general education AML, ENL, LIT, PHI or REL courses (Humanities) iv	 After reviewing your final program of study, apply for Graduation. 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
MAP 2302 – Elementary Differential Equations iv v (Elective Prerequisite)	where you will transfer. • Congratulations, graduate!
Any Elective course (Suggestion: STA 2023 – Elementary Statistics OR COP 2335C – Intermediate C++ Programming)	
	R CREDIT HOURS: 13
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AAMT DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS PATHWAY TOTAL: 61-63 CREDIT HOURS

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

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

Il 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 spring term.

MATHEMATICS (60 Credits)

Guided Pathway: Associate of Arts.

ARH 1000 – Art Appreciation *OR*

HUM 2020 – Introduction to Humanities iv

Concentration: Mathematics (PART TIME)

For more information, visit www.fgc.edu and your academic advisor.

Meta-major: STEM

University Transfer: FAMU, FAU, FGCU, FIU, FSU, UCF, UF, UNF, USF, 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 *Mathematics*.

This is the sequence of courses for students interested in majoring in *Mathematics* 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 *Mathematics*. Courses that complete the degree are listed below. As always, visit your academic advisor each semester to help you keep on track for graduation.



PART-TIME Pathway

Note: All AA degrees must satisfy the Foreign Language requirement for graduation. Please see catalog

(Humanities core)

SEMESTER BY SEMESTER M.	AP FOR PART-TIME STUDENTS
SEMESTER 1	ACTION ITEMS
ENC 1101 – Freshman Composition I iv (Communication core)	 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.
MAC 1105 – College Algebra iv (Mathematics core)	 Remember to start collecting artifacts from your courses for your Academic & Career Portfolio in SLS 2370. Begin applying for Financial Aid and Scholarships You can start the FAFSA in October for the next academic year. (i.e., in October 2023, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2024)
	ER CREDIT HOURS: 6
SEMESTER 2	ACTION ITEMS
<u>Choose one</u> : AMH 2020 – US History from 1865 <i>OR</i> POS 1041 – American Government iv (Social Science & civic literacy)	At the end of the semester, begin research on college and universities where you want to seek to transfer. Meet with a
MAC 1140 – Precalculus iv (Mathematics core)	career advisor/coach to research your career options with a degree in <i>Mathematics</i> .
Choose one: BSC 1005 – Biological Principles for Non-Majors <i>OR</i> Any general education BOT, BSC, MCB, or ZOO course (Biological Science) (3-4 cr)	 Signup for and pass the Florida Civic Literacy Exam. Continue collecting artifacts from courses for your Academic & Career Portfolio in SLS 2370.
TOTAL SEMESTER	R CREDIT HOURS: 9-10
SEMESTER 3	ACTION ITEMS
MAC 1114 - Trigonometry iv (Mathematics core)	Meet with your advisor to confirm or update your
Choose one: ENC 1102 – Freshman Composition II <i>OR</i> CRW 2001 – Creative Writing <i>OR</i> ENC 1141 – Writing about Literature ^{iv} (Communication)	 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
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	 You can start the FAFSA in October for the next academic year. (i.e., in October 2023, you can complete the FAFSA for if you plan to register for classes at a college or university Fall 2024)
	ER CREDIT HOURS: 9
SEMESTER 4	ACTION ITEMS
MAC 2311 – Calculus I iv (Elective Prerequisite) (4 cr) Choose one: MUL 1010 – Music Appreciation OR THE 2000 – Theatre Appreciation OR ARH 1000 – Art Appreciation OR	 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 &

TOTAL SEMESTER CREDIT HOURS: 7

Career Portfolio in SLS 2370.

MAC 2312 – Calculus II ^{iv} (Elective Prerequisite) (4 cr) MAC 2312 – Calculus II ^{iv} (Elective Prerequisite) (4 cr) 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 optio Continue collecting artifacts from your courses for your Academ & Career Portfolio in SLS 2370. Begin applying for Financial Aid and Scholarships You can start the FAFSA in October for the next acader year. (i.e., in October 2023, you can complete the FAFSA if you plan to register for classes at a college or university Fall 2024) TOTAL SEMESTER CREDIT HOURS: 7 SEMESTER 6 MAP 2302 – Elementary Differential Equations iv (Elective Prerequisite)	 Meet with your advisor to confirm academic and the end of the semester. Meet with a career advisor/coach to research your continue collecting artifacts from your courses for a Career Portfolio in SLS 2370. Begin applying for Financial Aid and Scholarship You can start the FAFSA in October for year. (i.e., in October 2023, you can comif you plan to register for classes at a confidence of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. Meet with your advisor to confirm academic and the end of the semester. 	irm academic and career goals by ach to research your career options. om your courses for your Academic d and Scholarships
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SEMESTER 6 ACTION ITEMS	if you plan to register for classes at a con Fall 2024) TOTAL SEMESTER CREDIT HOURS: 7	2023, you can complete the FAFSA fo
MAP 2302 – Elementary Differential Equations iv v (Elective Prerequisite)	ACTION ITEMS	N ITEMS
	MAP 2302 – Elementary Differential Equations iv v (Elective Prerequisite)	
MAC 2313 – Calculus III iv v (Elective Prerequisite) (4 cr) Meet with your advisor to confirm or update your academic/cal pathway and program of study.		
COP 2334C – Beginning C++ Programming (Elective Prerequisite)		
	TOTAL SEMESTER CREDIT HOURS: 7	
	TOTAL SEMESTER CREDIT HOURS: 7	
SEMESTER 7 ACTION ITEMS		N ITEMS
 Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking^{iv} (Communications) Begin applying to your top choice universities. Begin applying for Financial Aid and Scholarships You can start the FAFSA in October for the next acader year. (i.e., in October 2023, you can complete the FAFSA if you plan to register for classes at a college or universities. 	TOTAL SEMESTER CREDIT HOURS: 7 SEMESTER 7 Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking of S	ice universities. d and Scholarships SA in October for the next academic 2023, you can complete the FAFSA fo
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Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking ^{iv} (Communications) Any Elective course (Suggestion: STA 2023 – Elementary Statistics OR COP 2335C – Intermediate C++ Programming) ■ Begin applying to your top choice universities. ■ Begin applying for Financial Aid and Scholarships ○ You can start the FAFSA if you plan to register for classes at a college or universities. ■ Fall 2024 ■ Check with your advisor for important deadlines and dates	TOTAL SEMESTER CREDIT HOURS: 7 SEMESTER 7 Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speakingiv (Communications) Any Elective course (Suggestion: STA 2023 – Elementary Statistics OR COP 2335C – Intermediate C++ Programming) TOTAL SEMESTER CREDIT HOURS: 9 Begin applying to your top choice universities. Begin applying for Financial Aid and Scholarship or You can start the FAFSA in October for year. (i.e., in October 2023, you can comif you plan to register for classes at a configuration of the professional Speakingiv or Fall 2024) Check with your advisor for important deadlines	ice universities. d and Scholarships SA in October for the next academic 2023, you can complete the FAFSA fo for classes at a college or university portant deadlines and dates
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Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking ^{iv} (Communications) Any Elective course (Suggestion: STA 2023 – Elementary Statistics OR COP 2335C – Intermediate C++ Programming) TOTAL SEMESTER CREDIT HOURS: 9 SEMESTER 8 Choose one: LIT 2000 – Introduction to Literature OR Any general education AML, ENL, LIT, PHI or REL courses (Wester it is a polying to your top choice universities. Begin applying to your top choice universities. Pour applying to your top choice universities. Begin applying to your top choice universities. Begin applying to your top choice universities. Pour applying to your applying to your final program of study, apply for Graduation of Meet with your advisor to apply for your degree.	TOTAL SEMESTER CREDIT HOURS: 7 SEMESTER 7 Choose one: SPC 2608 – Public Speaking OR SPC 1017 – Oral Communications OR SPC 1061 – Introduction to Academic and Professional Speaking OF (Communications) Any Elective course (Suggestion: STA 2023 – Elementary Statistics OR COP 2335C – Intermediate C++ Programming) TOTAL SEMESTER CREDIT HOURS: 9 SEMESTER 8 Choose one: LIT 2000 – Introduction to Literature OR Any general education AML, ENL, LIT, PHI or REL courses (Humanities) IV Choose one: CHM 2045/L – General Chemistry I/Lab OR PHY 2048C – General Physics with Calculus I ACTION ITEMS Begin applying to your top choice universities. PAGLSONAL ACTION ITEMS After reviewing your final program of study, app of Meet with your advisor to apply for your de opposite you advisor to apply for your de opposite you avois a vois a	ice universities. d and Scholarships SA in October for the next academic 2023, you can complete the FAFSA for for classes at a college or university portant deadlines and dates N ITEMS Gram of study, apply for Graduation. to apply for your degree. ent.

AAMT DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS PATHWAY TOTAL: 61-62 CREDIT HOURS

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

I 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.

I You must earn a grade of "C" or better in all Gordon Rule classes.

V This course is only offered in the spring term.