

Building Program Maps: Scaffolding the Core Curriculum and Avoiding Starting from Scratch

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for Guided Academic Pathways:
Mapping for Student Success

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YEAR 1		YEAR 1	
Fall	Hrs.	Spring	Hrs.
ENGL 1101	3	ENGL 1102	3
HIST 2101 or 2102	3	POLS 1101	3
MATH 1101	3	Science (w/lab from Area D)	4
PSYC 1101	3	ACED 2400 (this course can be exempted, see advisor)	3
PHIL 2010 or 2020	3	PERS 2XXX	2
Total hours	15	Total hours	15

Milestones: Complete Georgia Government & History requirement. Complete Regents' requirement. Overall 2.3 GPA or higher. Accumulate 30 or more collegiate credits, attaining Sophomore status.

- LUMN 1014 – Perspectives on Immigration **Credit: 4 hours**
- CRWR 1007 – Perspectives on Imaginative Writing **Credit: 4 hours**
- HIST 1006 – Perspectives on American War **Credit: 4 hours**
- HUMN 1001 – Perspectives on Narrative **Credit: 4 hours**
- HUMN 1001H – Honors Perspectives on Narrative **Credit: 4 hours**
- HUMN 1002 – Perspectives on Society in Film **Credit: 4 hours**
- HUMN 1003 – Perspectives on Humor, Romance, and War **Credit: 4 hours**
- HUMN 1004 – Perspectives on Ethics **Credit: 4 hours**
- HUMN 1005 – Perspectives on Prime-Time TV **Credit: 4 hours**
- HUMN 1009 – Perspectives on Global Cultures **Credit: 4 hours**
- HUMN 1011 – Perspectives on Genre Fiction **Credit: 4 hours**
- MUSC 1006 – Perspectives on Music and Society **Credit: 4 hours**
- THEA 1010 – Perspectives on Theatre **Credit: 4 hours**

of study

4 hours)

- BIOL 1004 – Perspectives on the Human Body **Credit: 4 hours**
- BIOL 1005 – Perspectives on the Environment **Credit: 4 hours**
- BIOL 1006 – Perspective on Mildews, Mushrooms and Man **Credit: 4 hours**
- HS 1000 – Perspectives on Healthcare Professions **Credit: 4 hours**
- HS 1002 – Perspectives on Death and Dying **Credit: 4 hours**
- HS 1003 – Perspectives on Wellness **Credit: 4 hours**
- HS 1004 – Perspectives on Women's Health **Credit: 4 hours**
- HS 1005 – Perspectives on Ethics in Health Care **Credit: 4 hours**

Humanities

- ARTS 1013 – Perspectives on Art **Credit: 4 hours**
- COMM 1012 – Perspectives on Persuasion **Credit: 4 hours**
- CRWR 1007 – Perspectives on Imaginative Writing **Credit: 4 hours**
- HIST 1006 – Perspectives on American War **Credit: 4 hours**
- HUMN 1001 – Perspectives on Narrative **Credit: 4 hours**
- HUMN 1001H – Honors Perspectives on Narrative **Credit: 4 hours**
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Program map


YEAR 1

Fall	Hrs.	Spring	Hrs.
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HIST 2101 or 2102	3	POLS 1101	3
MATH 1101	3	Science (w/lab from Area D)	4
PSYC 1101	3	ACED 2400 (this course can be exempted, see advisor)	3
PHIL 2010 or 2020	3	PERS 2XXX	2
Total hours	15	Total hours	15

Milestones: Complete Georgia Government & History requirement. Complete Regents' requirement. Overall 2.5 GPA or higher. Accumulate 30 or more collegiate credits, attaining Sophomore status.

Considerations in Creating Program Maps

- Area A – usually 3 courses
 - A1 – two course sequence
 - A2 – one math course
 - MATH 1001 – Quantitative Reasoning
 - MATH 1101 – Intro to Math Modeling
 - MATH 1111 – College Algebra
 - MATH 1113 – Pre-Calculus
 - Calculus
- Students must complete Area A by the time they complete 30 credits

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- Area B – usually 1 - 2 courses
 - Area C – usually 2 courses
 - Area D – usually 3 three- to 4 credit courses (two lab sciences and one math or science elective)
 - May require A2 prerequisite or two-semester sequence
 - Area E – Usually 3 – 4 courses, usually not sequenced
 - Area F – 6 courses in program of study; may require sequences
 - About 20 courses total

Program maps should ...

- Not require summer attendance
- Begin with a 1st semester based on “academic cluster requirements”
 - Business
 - Education
 - Engineering
 - Fine and Applied Arts
 - Foreign Languages
 - Health Sciences (including nursing)
 - Humanities and Social Sciences (and undecided)
 - Science, Technology and Mathematics

Year 1			
Term 1		Term 2	
Course	Credits	Course	Credits
Academic Cluster		Program-Specific	
Semester Total	15	Semester Total	15
Milestones		Milestones	
<ul style="list-style-type: none"> • • 		<ul style="list-style-type: none"> • • 	
Year 2			
Term 1		Term 2	
Course	Credits	Course	Credits
Program-Specific		Program-Specific	
Semester Total	15	Semester Total	15
Milestones		Milestones	
<ul style="list-style-type: none"> • • 		<ul style="list-style-type: none"> • • 	

Area A2 Math recommendations from RACS

(<http://www.completecollegegeorgia.org/node/12215>)

Math Pathways for non-STEM majors

(based on Regents Advisory Committee Recommendations)

USG institutions cannot require students to take a particular course from among MATH 1001, MATH 1101, and MATH 1111 as long as they are not STEM majors. No matter which of these math courses non-STEM students take, it must count toward satisfying Area A2 requirements and it must count toward graduation. However, students in non-STEM majors should be ADVISED to take the math course most appropriate for their intended majors. Where MATH 1101 or MATH 1101 is the default recommendation for a particular major, students with strong math interests and abilities may opt to take MATH 1111, but MOST students should be advised to take MATH 1001 or MATH 1101.

Program/Major	Area A2 Mathematics Default Recommendation	
	MATH 1001 (Quantitative Reasoning) or MATH 1101 (Introduction to Mathematical Modeling) ²	MATH 1111 (College Algebra)
Anthropology	✓	
Birth-to-Five Teacher Preparation	✓	
Business Administration	✓ ²	
Communication	✓	
Criminal Justice	✓	
Digital Media	✓	
Early Childhood Education	✓	

Math Pathways for STEM majors

(based on Academic and Student Affairs Handbook 2.4.4 - Area A2 Quantitative Skills)

Program/Major	Area A2 Mathematics Default Recommendation	
	MATH 1113 (Precalculus) or higher	Calculus
Agricultural Science	✓ ⁴	
Architecture	✓	
Astronomy	✓	
Biology	✓	
Chemistry	✓	
Computer Science	✓	
Engineering		✓
Engineering Technology	✓	
Environmental Science	✓ ⁴	
Forestry	✓	
Geography (BS)	✓	
Geology	✓	
Mathematics	✓	

Building Program Maps

- Area A1 – ENGL 1101, 1102 in first two semesters
- Area C – if a literature course is required, place in 3rd semester
- Area A2 – Place appropriate math in 1st semester
- Area D math (if required) place in 2nd semester
- Place high DFW courses in 2nd semester (or later) if possible
- If lab science sequence is required, place in same academic year, if possible

Year 1			
Term 1		Term 2	
Course	Credits	Course	Credits
Area A1: ENGL 1101 (or institutional A1 course)	3	Area A1: ENGL 1102 (or institutional A1 course)	3
Area A2: Recommended math course [Specify MATH 1001, 1101, 1111, 1113, or calculus]	3	Area D math (if required)	
		High DFW courses? (here or later)	
Lab science sequence (option 1)		Lab science sequence (option 1)	
Semester Total	15	Semester Total	15

Year 2			
Term 1		Term 2	
Course	Credits	Course	Credits
Area C literature course (if required)			
Lab science sequence (option 2)		Lab science sequence (option 2)	
Semester Total	15	Semester Total	15

Specifying courses?


- Specific courses versus Area X elective versus Area B, C, or E elective
- In creating program maps, you are recommending (not requiring) courses in core areas.
- If students take a different course in that core area, it satisfies the core requirement and counts toward graduation even if it was not the course recommended for the program of study.
- Impact on demand for courses

Area F courses?

- Are there sequenced courses within Area F?
- Four-semester sequences must be started in first semester of attendance.
 - Foreign language?
 - Fine Arts?
- It is important to decide how you are going to pace your Area F courses, e.g.,
 - 0, 1, 2, 3
 - 0, 2, 2, 2,
 - 1, 1, 2, 2, etc.

Benchmarks and milestones?

- accumulating credit hours
- completing of Area A requirements
- satisfying the US and Georgia history and constitution requirements
- completing requirements outside the classroom: shadowing, internship(s), study abroad, service learning hours
- declaring a major
- completing key courses
- meeting with an advisor

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- applying for admission to undergraduate programs
 - applying to graduate
 - learning about and applying to graduate programs
 - graduating

USG Program Map Template			
Year 1			
Term 1		Term 2	
Course	Credits	Course	Credits
Area A1: ENGL 1101 (or institutional A1 course)	3	Area A1: ENGL 1102 (or institutional A1 course)	3
Area A2: Recommended math course [Specify MATH 1001, 1101, 1111, 1113, or calculus]	3 - 4	Area D math course or other Area D course that is not one of the two required lab science courses (if two are required)	3
Area D Lab Science 1	4	Area D (Lab) Science 2	4
Area B, C, or E elective	1 - 3	Area F course	3
Area E: POLS 1101	3	Area F course	3
Semester Total	15 - 16	Semester Total	15 - 16

Milestones	Milestones
<ul style="list-style-type: none"> Complete ENGL 1101 Complete Area A2 math Complete at least 15 credit hours Maintain at least a 2.0 grade point average 	<ul style="list-style-type: none"> Complete ENGL 1102 Complete all Area A requirements Declare major Meet with an advisor Accumulate 30 or more collegiate credits Maintain at least a 2.0 grade point average

Year 2			
Term 1		Term 2	
Course	Credits	Course	Credits
Area B, C, or E elective	1 - 3	Area B, C, or E elective	1 - 3
Area C literature course	3	Area B, C, or E elective	3
Area B, C, or E elective	3	Area B, C, or E elective	3
Area F elective	3	Area F elective	3
Area F elective	3	Area F elective	3
Semester Total	13 - 15	Semester Total	13 - 15

Milestones	Milestones
<ul style="list-style-type: none"> Accumulate 45 or more collegiate credits Maintain at least a 2.0 grade point average 	<ul style="list-style-type: none"> Complete all Core Curriculum requirements Complete Area F requirements Accumulate 60 or more collegiate credits Maintain at least a 2.0 grade point average

USG Program Map Template			
Year 1			
Term 1		Term 2	
Course	Credits	Course	Credits
Area A1: ENGL 1101	3	Area A1: ENGL 1102	3
Area A2: Appropriate math course [Specify MATH 1101, 1111, 1113, or MATH 2261]	3 - 4	Area B: PERS 2XXX	2
Area E: HIST 2111 or 2112	3	Area D math or non-lab science	3 - 4
Area E: POLS 1101	3	Area D: Lab science 1	4
Area E: Elective	3	Area F course	3
Semester Total		Semester Total	
15 - 16		15 - 16	
Milestones		Milestones	
<ul style="list-style-type: none"> Complete ENGL 1101 Complete Area A2 math Satisfy US and Georgia History and Constitution requirements Complete at least 15 credit hours Maintain at least a 2.0 grade point average 		<ul style="list-style-type: none"> Complete ENGL 1102 Complete all Area A requirements Declare major Meet with an advisor Accumulate 30 or more collegiate credits Maintain at least a 2.0 grade point average 	
Year 2			
Term 1		Term 2	
Course	Credits	Course	Credits
Area B: PERS 2XXX	2	Area C non-literature course	3
Area C: ENGL 2111, 2112, or 2113	3	PSYC 1101 (or other Area E elective)	3
Area D lab science 2	4	Area F course	3
Area F course	3	Area F course	3
Area F course	3	Area F course	3
Semester Total		Semester Total	
15		15	
Milestones		Milestones	
<ul style="list-style-type: none"> Accumulate 45 or more collegiate credits Maintain at least a 2.0 grade point average Meet with an advisor 		<ul style="list-style-type: none"> Complete all core curriculum requirements Complete Area F requirements Accumulate 60 or more collegiate credits Maintain at least a 2.0 grade point average Meet with an advisor 	

USG Program Map Template			
Year 1			
Term 1		Term 2	
Course	Credits	Course	Credits
Area A1: ENGL 1101 (or institutional A1 course)	3	Area A1: ENGL 1102 (or institutional A1 course)	3
Area A2: Recommended math course [Specify MATH 1001, 1101, 1111, 1113, or calculus]	3	Area D math course or other Area D course that is not one of the two required lab science courses (if required)	3
Area B, C, or E elective	3	Area B, C, or E elective	3
Area E: POLS 1101	3	Area B, C, or E elective	3
Area F course	3	Area F course	3
Semester Total		Semester Total	
15		15	
Milestones		Milestones	
<ul style="list-style-type: none"> Complete ENGL 1101 Complete Area A2 math Complete at least 15 credit hours Maintain at least a 2.0 grade point average 		<ul style="list-style-type: none"> Complete ENGL 1102 Complete all Area A requirements Declare major Meet with an advisor Accumulate 30 or more collegiate credits Maintain at least a 2.0 grade point average 	
Year 2			
Term 1		Term 2	
Course	Credits	Course	Credits
Area B, C, or E elective	1 - 3	Area B, C, or E elective	1 - 3
Area C literature course	3	Area B, C, or E elective	3
Area D Lab Science 1	3 - 4	Area D Lab Science 2	3 - 4
Area F elective	3	Area F elective	3
Area F elective	3	Area F elective	3
Semester Total		Semester Total	
13 - 15		13 - 15	
Milestones		Milestones	
<ul style="list-style-type: none"> Accumulate 45 or more collegiate credits Maintain at least a 2.0 grade point average 		<ul style="list-style-type: none"> Complete all Core Curriculum requirements Complete Area F requirements Accumulate 60 or more collegiate credits Maintain at least a 2.0 grade point average 	

Program maps for 3rd & 4th Years

- Identify 2 – 4 semester sequences so that required sequences can be completed in time for on-time graduation. Create prerequisite flow charts to guide in constructing your program maps.
- Plan courses that are not offered every year and inform students when the courses will be offered.
- Include completing internships, applying for graduation, applying to graduate school or jobs, and graduating as milestones.

USG Program Map Template				
Year 3				
Term 1		Term 2		
Course	Credits	Course	Credits	
Last semester to start any four-semester sequences.		Last semester to start any three-semester sequences.		
Semester Total		15	Semester Total	
15		15		
Milestones		Milestones		
<ul style="list-style-type: none"> Accumulate at least 75 credit hours Meet with an advisor Maintain at least a 2.0 grade point average 		<ul style="list-style-type: none"> Accumulate 90 or more collegiate credits Meet with an advisor Start considering graduate study or post-graduate employment Maintain at least a 2.0 grade point average 		
Year 4				
Term 1		Term 2		
Course	Credits	Course	Credits	
Last semester to start any two-semester sequences				
Semester Total		15	Semester Total	
15		15		
Milestones		Milestones		
<ul style="list-style-type: none"> Accumulate 105 or more collegiate credits Maintain at least a 2.0 grade point average Meet with an advisor Apply for graduation Apply to graduate school 		<ul style="list-style-type: none"> Accumulate 120 or more collegiate credits Maintain at least a 2.0 grade point average Graduate 		