

**Atlanta Metropolitan State College**  
Associate of Science with a Major in Engineering Sciences (*Transfer*)  
**GUIDED PATHWAY**

Freshman Year									
	Fall Semester				Spring Semester				Freshman Year Total Credit Hours
	Course #	Course Name	Credit Hours	PREQ	Course #	Course Name	Credit Hours	PREQ	
<b>Area A</b> Essential Skills	ENGL 1101	English Composition I	3	🔑	ENGL 1102 +	English Composition II	3	🔒	
	MATH 2201	Analytic Geometry & Calculus I	4	🔑					
<b>Area B</b> AMSC Institutional Requirement					AMIR 1001	Thinking, Learning and Communicating in Contemporary Society	4		
<b>Area C</b> Humanities & Fine Arts	Humanities	Elective	3		Fine Art	Elective	3		
<b>Area D</b> Science, Math. & Technology					MATH 2202	Calculus II	4		
<b>Area E</b> Social Sciences	PSYC 1101	Introduction Psychology	3		POLS 1100	American Government	3		
<b>Area F</b> Program of Study Courses									
Additional Requirements	FYEX 1630	First year Experience	1						
	PHED 2240 or 1105 or 2105	PE Lecture Course	3						
<b>Total Hours</b>			<b>17</b>		<b>Total Hours</b>			<b>17</b>	<b>34</b>

Sophomore Year									
	Fall Semester				Spring Semester				Sophomore Year Total Credit Hours
	Course #	Course Name	Credit Hours	PREQ	Course #	Course Name	Credit Hours	PREQ	
<b>Area A</b> Essential Skills									
<b>Area B</b> AMSC Institutional Requirement									
<b>Area C</b> Humanities & Fine Arts									
<b>Area D</b> Science, Math. & Technology	CHEM/CLAB 1211	Principles of Chemistry I + Laboratory	4	🔒	CHEM/CLAB 1212	Principles of Chemistry II + Laboratory	4	🔒	
<b>Area E</b> Social Sciences	HIST 2111 or 2112	US History I or II	3		Social Science	Elective	3		
<b>Area F</b> Program of Study Courses	PHYS/PLAB 1211	Principles of Physics I + Laboratory	4	🔑	PHYS/PLAB 1212	Principle of Physics II + Lab	4	🔒	
	MATH 2203	Calculus III	4	🔒	MATH 2204 or MATH 1128	Calculus IV or Discrete Mathematics	3		
	Area F	Elective (MATH 2208)	3						
Additional Requirements					PHED	Activity Course	15		
<b>Total Hours</b>			<b>18</b>		<b>Total Hours</b>			<b>15</b>	<b>33</b>

**Note:** *This program map is to be used as a general guide—it does not guarantee course availability. \* Regent Engineering Pathways Program Requirement.*

- 🔒 Must take prerequisite before enrolling    
 🔑 Course serves as a prerequisite    
 + Minimum grade of "C" required    
 \* Recommended Elective    
 \*\* Elective selected in consultation with Academic Advisor