



## Mathematics Associate of Science Degree – 81101

Recommended Course Sequencing: 2020 - 2021

Course	Requirement Filled	Cr	Notes
<b>Fall - 1st Semester</b>			
MAT 181 Precalculus Trigonometry	Related Curriculum	3	Placement required or MAT 154
ENG 101 Written Communications I	GE – English	3	Placement required or ENG 100
Lab Science	GE – Lab Science	4	Must be from approved list
Humanities or Social Science	GE – Humanities or Social Sci.	3	Must be from approved list
Elective/Related Curriculum	Elective/Related Curriculum	3-4	See note 2 below.
<b>Total Hours</b>		16	

NOTE: Any developmental courses (such as ENG 100 and MAT 120) must be taken in addition to the above during this semester as prerequisites for later courses.

<b>Spring – 2<sup>nd</sup> Semester</b>			
MAT 220 Calculus I	GE – Math	5	MAT 154 and MAT 181 or MAT 187 Pre- Requisite
ENG 102 Written Communications II	GE – English	3	ENG 101 Pre-Requisite
Lab Science	GE- Lab Science	4	CHM 151 Pre-Requisite
Humanities or Social Science	GE – Humanities or Social Sci.	3	Must be from approved list
Elective/Related Curriculum	Elective/Related Curriculum	3-4	See note 2 below.
<b>Total Hours</b>		18	

<b>Fall – 3<sup>rd</sup> Semester</b>			
MAT 230 Calculus II	Core Curriculum	4	MAT 220 Pre-Requisite
Humanities or Social Science	GE – Humanities or Social Sci.	3	Must be from approved list
Related Curriculum	Related Curriculum	3	See note 2 below.
Intensive Writing Course	GE – Intensive Writing	3	Must be from approved list
Elective	Elective Requirements	3-4	
<b>Total Hours</b>		16	

<b>Spring - 4th Semester</b>			
MAT 240 Calculus III	Core Curriculum	4	MAT 230 Pre-Requisite
MAT 260 Differential Equations	Core Curriculum	4	MAT 230 Pre-Requisite Spring only
Humanities or Social Science	GE – Humanities or Social Sci.	3	Must be from approved list
Elective/Related Curriculum	Elective/Related Curriculum	3-4	See note 2 below.
<b>Total Hours</b>		14	

<b>Total Hours</b>	64
Total Curriculum Requirements (Core)	12
Total Related Curriculum	9
Total General Education	35
Total Elective	8

**Notes:** <sup>1</sup>The foregoing is a recommended, or suggested, sequence of courses. Of course, if a student enters the program in the spring, or transfers credit in, the above would have to be modified.

Last Updated: 4/8/2020

<sup>2</sup>Select 9 Curriculum Related credits from the following list: MAT 181 Precalculus Trigonometry, MAT 160 Statistics, MAT 225 Linear Algebra, PHY 211 Physics with Calculus I, and PHY 212 Physics with Calculus II.

*This degree dictates specific courses that must be taken as part to meet the General Education requirements. Consult your catalog. **All courses must be completed with a grade of "C" or better--Be sure to check the catalog for other changes and requirements.***