

# Math/Physics/Pre-Engineering

## Associate of Science in Math/Physics/ Pre-Engineering—MA3

This degree concentration begins preparing students for a bachelor's degree in math, physics, or engineering. However, additional courses beyond those required for the AS degree may be needed to place students at the junior level or meet program prerequisites. Students should select a transfer university early in their program and seek the advice of an academic advisor or counselor about course selection and additional credits that may be needed.

FIRST SEMESTER	SCH
— ENGL 1301 English Composition I	3
— HIST - - - - Social/Behavioral Science: History	3
— KINE - - - - Health, Wellness & Kinesiology	1
— MATH 2413 Calculus I with Analytic Geometry*	4
— COSC 1301 Microcomputer Applications	3
	14
SECOND SEMESTER	
— ENGL 1302 English Composition II	3
— HIST - - - - Social/Behavioral Science: History	3
— MATH 2414 Calculus II with Analytic Geometry	4
— MATH 2418 Linear Algebra	4
— - - - - - - - - Humanities: Visual/Performing Arts	3
	17
THIRD SEMESTER	
— GOVT 2301 American Government I	3
— - - - - - - - - Natural Science**	4
— MATH 2415 Calculus III with Analytic Geometry	4
— MATH 2420 Differential Equations	4
— - - - - - - - - Social/Behavioral Science: Other	3
	18
FOURTH SEMESTER	
— GOVT 2302 American Government II	3
— - - - - - - - - Communication: Other	3
— - - - - - - - - Humanities: Other	3
— - - - - - - - - Natural Science**	4
— - - - - - - - - Math (sophomore level) or Physics	3/4
	16/17
<b>Total Semester Credit Hours for Degree</b>	<b>65/66</b>

\* Placement scores will indicate the appropriate level at which math sequence should start.

\*\* Suggested options for those interested in Physics and pre-engineering are CHEM 1411, CHEM 1412, PHYS 2425, and PHYS 2426.

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. Core and Field of Study courses are shown in bold and underline type.

✦ Students completing a high school Tech Prep Program may receive credit for indicated courses.