7/12/2023

Computational Mathematics (BS.CM)

Suggested Four-Year Schedule for University College Students

This is effective for 2023-2024 Catalog years and forward. Students in older catalog years or are Transfer Students may show something different on their Prog Eval

Please see backside for more information

Fall Semester: Freshman Year	Prerequisites	Credit Hrs	Spring Semester: Freshman Year	Prerequisites	Credit Hrs
COM 140* – Basic Computer Skills	None		MAT 201 – Intro to Statistics	C- or better in MAT-141, MAT-151 or Placement Exam	3
ENG 121 – Academic Writing I	Passing grade in ENG-002 or Placement Exam	3	COM 207 – Programming in C/C+	COM 140	3
MAT 152 - Trigonometry	C- or higher MAT-151 or Placement Exam	3	ENG 122 – Academic Writing II	C or better in ENG-121	3
SLU 101 – Freshman Year Experience	None	1	MAT 235 – Calculus I	C- or better in MAT-152	3
University Exploration Course # 1		3	University Exploration Course # 3		3
University Exploration Course # 2		3	Elective (Student's Choice)		3

Fall Semester: Sophomore Year	Prerequisites	Credit Hrs	Spring Semester: Sophomore Year	Prerequisites	Credit Hrs
MAT 236 – Calculus II	C- or better in MAT 235	3	MAT 337 – Calculus III	C- or better in MAT 236	3
MAT 251 – Introduction to Discrete Mathematics	MAT 235	3	MAT 300/400 level Elective		3
MAT 300/400 level Elective		3	COM 302 – Python Programming	COM 207	3
Elective (Student's Choice)		3	Elective (Student's Choice)		3
University Exploration Course # 4		3	University Exploration Course # 5		3

Fall Semester: Junior Year	Prerequisites	Credit Hrs	Spring Semester: Junior Year	Prerequisites	Credit Hrs
MAT/COM Elective		3	MAT 300/400 level Elective		3
MAT 338 – Calculus IV	C- or better in MAT 337	3	MAT/COM Elective		3
MAT 411 – Differential Equations	MAT 235	3	Elective (Student's Choice)		3
MAT 300/400 level Elective		3	University Exploration Course # 6		3
Elective (Student's Choice)		3	University Exploration Course # 7		3

Fall Semester: Senior Year	Prerequisites	Credit Hrs	Spring Semester: Senior Year	Prerequisites	Credit Hrs
MAT 497 – Preliminary Research Seminar		1	MAT 499 Senior Project in Mathematics	ENG 122 & Senior Standing	3
Elective (Student's Choice)		3	Elective (Student's Choice)		3
University Exploration Course # 8		3	Elective (Student's Choice)		3
University Exploration Course # 9		3	Elective (Student's Choice)		3
University Exploration Course # 10		3	University Exploration Course # 11		3

*Students must meet the 120 Credit Hours Requirement to obtain degree, so elective credits may vary.