



Associate/Bachelor of Science in Mathematics University Centered Career Pathway 2022 – 2023 Catalog



Del Rio | Eagle Pass | Uvalde

Student Name: _____

SWTJC Student ID#/Email: _____

Student Signature: _____

Advisor: _____

By checking this box, you agree to allow Southwest Texas Junior College (SWTJC) to share your directory information with Sul Ross State University-DR|EP|UV for the purpose of tracking and transfer assistance that is part of the SWJTC/SRSU-DR|EP|UV Memorandum of Understanding. SWTJC and SRSU-DR|EP|UV will not share this information with any third-party members

Bridging Semester		sch	or			sch
EDUC 1300	STEM Learning Frameworks ⁰	3		COLS 0300	College Success Skills ¹	3
SWTJC Fall Semester Year 1		sch		SWTJC Spring Semester Year 1		sch
ENGL 1301	Composition I	3		ENGL 1302	Composition II	3
HIST 1301	U. S. History I	3		HIST 1302	U.S. History II	3
COSC 1301	Intro to Computer Science	3		MATH 2413	Calculus I	4
MATH 2312	Precalculus	3		Core: Language, Philosophy & Culture ³		3
Core: Creative Arts ²		3				13
		15				
SWTJC Fall Semester Year 2		sch		SWTJC Spring Semester Year 2		sch
GOVT 2305	Federal Government	3		GOVT 2306	Texas Government	3
ENGL 2311	Technical & Business Writing	3		SPCH 1311	Intro to Speech Communication	3
MATH 2318	Linear Algebra	3		ECON 2301	Principles of Macroeconomics	3
MATH 2414	Calculus II	4		MATH 2320	Differential Equations	3
Core: Science w/lab ⁴		3/1		Core: Science w/lab ⁴		3/1
		17				16
				ASSOCIATES OF SCIENCE (AS) SWTJC Total 61 sch		
SWTJC Core: 42 + 19 transferable sch = 61						

SRSU-DR EP UV Fall Semester Year 3		sch		SRSU-DR EP UV Spring Semester Year 3		sch
PHYS 2325	University Physics I	3		PHYS 2326	University Physics II	3
PHYS 2125	University Physics I Lab	1		PHYS 2126	University Physics II Lab	1
Choose one	Any 2/3/4XXX MTH Computer Science ⁵	3		MTH 3340	Foundations of Higher Math	3
MTH 3415	Calculus III	4		MTH 4301	Modern Abstract Algebra I	3
MTH 3301	Geometry	3		MTH 3/4XXX	Advanced Mathematics	3
	Minor	3			Minor	3
		17				16
SRSU-DR EP UV Fall Semester Year 4		sch		SRSU-DR EP UV Spring Semester Year 4		sch
MTH 3305	History of Mathematics	3		MTH 4320	Real Analysis	3
MTH 3/4XXX	Advanced Mathematics	3		MTH 4390	Senior Project	3
	General Elective ⁶	2 ⁶			Minor	3
	Minor	3			Minor	3
	Minor	3				12
		14		BACHELOR OF SCIENCE in Mathematics Total = 120 sch		
SRSU-DR EP UV Total = 59						

⁰EDUC 1300 required of all first-time college students, not applicable towards degree requirement.

¹COLS 0300 required for students with TSI deficiencies, not applicable towards degree requirement.

² Selected from SWTJC Creative Arts core courses.

³ Selected from SWTJC Language Philosophy & Culture core courses.

⁴ Selected from SWTJC Life & Physical Sciences core courses.

⁵ If a Computer Science course is chosen consult with assigned academic advisor.

⁶ General elective courses necessary to complete 120 semester credit hours.

Requirements for SRSU-DR|EP|UV Campuses Degree:

- Students must be core complete prior to acceptance at SRSU
- A minimum of 120 semester credit hours
- A minimum of 36 semester credit hours of advanced course work
- A minimum of 30 semester credit hours with SRSU
- Cumulative GPA of 2.0 or better
- Cumulative GPA for major and minor, 2.0 or better.
- No grade less than "C" can be used to fulfill Mathematics course requirements.

Approved: May 16, 2022