



Associate/Bachelor of Science in Mathematics  
with Secondary Education Certification  
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

<b>Bridging Semester</b>		<b>sch</b>				<b>sch</b>
EDUC 1300	STEM Learning Frameworks <sup>0</sup>	3	or	COLS 0300	College Success Skills <sup>1</sup>	3
<b>SWTJC Fall Semester Year 1</b>		<b>sch</b>		<b>SWTJC Spring Semester Year 1</b>		<b>sch</b>
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 <sup>3</sup>	3
Core:	Creative Arts <sup>2</sup>	3				
		<b>15</b>				<b>13</b>
<b>SWTJC Fall Semester Year 2</b>		<b>sch</b>		<b>SWTJC Spring Semester Year 2</b>		<b>sch</b>
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 <sup>4</sup>	3/1		Core:	Science w/lab <sup>4</sup>	3/1
		<b>17</b>				<b>16</b>
<b>SWTJC Core: 42 + 19 transferable sch = 61</b>				<b>ASSOCIATES OF SCIENCE (AS) SWTJC Total 61 sch</b>		

<b>SRSU-DR   EP   UV Fall Semester Year 3</b>		<b>sch</b>		<b>SRSU-DR   EP   UV Spring Semester Year 3</b>		<b>sch</b>
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 <sup>5</sup>	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
		<b>14</b>				<b>13</b>
<b>SRSU-DR   EP   UV Fall Semester Year 4</b>		<b>sch</b>		<b>SRSU-DR   EP   UV Spring Semester Year 4</b>		<b>sch</b>
MTH 3305	History of Mathematics	3		MTH 4320	Real Analysis	3
MTH 3/4XXX	Advanced Mathematics	3		MTH 4390	Senior Project	3
		<b>6</b>				<b>6</b>
<b>Professional Education Courses<sup>6, 7</sup></b>						
EDSR 3300	Pedagogy & Professional Responsibility	3		EDSR 4314	Reading Skills for Content Subjects	3
EDSR 3301	Planning, Instruction, & Assessment	3		EDSR 4322	Classroom Management	3
EDSR 3302	Developmental & Learning Theories	3		EDSR 4605	Student Teaching in the Secondary School	6
EDSR 3303	Methods & Materials for the Classroom	3				<b>12</b>
		<b>12</b>				
<b>SRSU-DR   EP   UV Total = 63</b>				<b>BACHELOR OF SCIENCE in Mathematics Total = 124 sch</b>		

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

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

<sup>2</sup> Selected from SWTJC Creative Arts core courses.

<sup>3</sup> Selected from SWTJC Language Philosophy & Culture core courses.

<sup>4</sup> Selected from SWTJC Life & Physical Sciences core courses.

<sup>5</sup> If a Computer Science course is chosen consult with assigned academic advisor.

<sup>6</sup> Students must be admitted into the Teacher Education program prior to enrollment in Professional Education courses

<sup>7</sup> Students must complete ENGL 3312 (b or better) to be admitted to the Teacher Education Program

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 the "C" can be used to fulfill Mathematics course requirements