

SWTJC & RGC Transfer Plan for Bachelor of Science in Mathematics

Student Name _____ SWTJC ID# _____

SWTJC Email _____@SWTJC.EDU Advisor _____

By checking this box, you agree to allow Southwest Texas Junior College (SWTJC) to share your directory information with Rio Grande College (RGC) for tracking and transfer assistance that is part of the SWJTC/RGC Memorandum of Understanding. SWTJC and RGC will not share this information with any third party members.

				Student's Signature _____	Date _____
Orientation		sch			sch
EDUC 1100 ⁰	Learning Frameworks	1	or	COLS 0300 ⁰	College Success Skills
Semester 1 - SWTJC				Semester 2 - SWTJC	
ENGL 1301 ✓	Composition & Rhetoric I	3		ENGL 1302 ✓	Composition & Rhetoric II
HIST 1301 ✓	U. S. History I	3		HIST 1302 ✓	U. S. History II
MATH 1314 ✓	College Algebra	3		MATH 2312	Pre-Calculus Math
Core Science ¹ ✓		3		Core Science ¹ ✓	
Core Science Lab		1		Core Science Lab	
Core Elective ✓	Fine Arts ²	3		Core Elective ³ ✓	
		16			16
Semester 3 - SWTJC		sch		Semester 4 - SWTJC	
Core Elective ✓	Humanities ⁴	3		Elective	Free Elective
GOVT 2305 ✓	Federal Government	3		GOVT 2306 ✓	Texas Government
MATH 2413	Calculus I	4		MATH 2414	Calculus II
SPCH 1311 ✓	Intro to Speech Communication	3		Science 2xxx	Any sophomore science lecture
Core Elective ✓	Social Science ⁵	3		Science	Associated lab
		16			12
✓ Core Courses (42 sch)				AS Complete SWTJC Total 60 sch	

⁰ EDUC 1100 required of all first time in college students. COLS 0300 required for students with any TSI deficiencies and does not count toward a degree.

¹ Selected from SWTJC natural science core courses BIOL 1306/07; BIOL 1308/09; CHEM 1311/12; PHYS 1301/02; PHYS 2325/26.

² Selected from SWTJC courses ARTS 1301 or MUSI 1306.

³ Select from optional component area 2 core courses BCIS 1305, COSC 1301, HECO 1322, PHED 1304, PSYC 2314, or any unused core course

⁴ Selected from language and culture core courses ENGL 2322/23, ENGL 2327/28, ENGL 2332/33, HUMA 1301, PHIL 1301, or PHIL 2306.

⁵ Selected from SWTJC core courses PSYC 2301; SOCI 1301; ECON 2301.

RGC Math Major (35 sch ⁶)					
Course#	Title	sch		Course#	Title
MTH 3301	Geometry	3		MTH 4327	Readings and Research
MTH 3303	Multi-variant Calculus	3		Additional 12 sch from these courses.	MTH 3302, 3305, 3306, 3307, 3310, 3312, 3313, or any 4000 level courses. Students may not take MTH 3308, 3309, or 3311
MTH 3304	Linear Algebra	3			
MTH 4301 or MTH 4307	Modern Abstract Algebra Real Variables	3			
RGC Minor (18 sch)					
Additional Departmental Requirements					
	Science Course ⁷	3-4			Science Course ⁷
RGC Free Electives to Total 120 sch					
Complete RGC Total 60 sch Grand Total 120 sch					

⁶ Includes MATH 2413 & MATH 2414 taken at SWTJC

⁷ Biology courses must be selected from BIOL 1306/1307