

**Austin Community College/Texas State University**

**Math Core Courses and Math Requirements for Top Transfer Majors**

**Alignment Discussion December 2, 2020**

**Core Courses\***

Course	ACC	Prerequisite	TxSt	Prerequisite
College Algebra (non-calculus)	1314*		1315*	
College Algebra (calculus)	1414*			
Math for Bus/Economics	1324*		1319*	
Business Calculus	1325*	1314 or 1324	1329*	1315 or 1319
Contemporary Math	1332*		1316*	
Elementary Statistics	1342*		1312*	
Math for Middle School Cert	1350	1314 or 1324		
Discrete Math	2305	1425 or 1325		
	1316		1317*	1315
Pre calculus	2412*	1414	2417*	1315 or 1319
Calculus I	2413*	2412	2471*	2417
Calculus II	2414		2472*	2471
Calculus for Life Sciences I (TCCN 2313)	n/a		2321	1315 or 1319

**Math Requirement Top 12 Transfer Majors**

ACC Program	ACC Degree	ACC Math	TXST Degree	TXST Math	Pre-req	ACC & TXST considerations		Aligned?
<b>Applied Science</b>	AAS	1314	BAAS	Any Core 020				Yes
<b>Biology</b>	AS	2412, 2413	BS Biology	2321 or 2471	1315 or 1319	ACC: 2321, 2471		Yes
<b>Business— McCoy</b>	AS Business	1324 or 1325	BBA Accounting Computer Information Systems Economics Finance Management Marketing	MATH 1329		ACC: show 1325 required at TXST	To be accepted into McCoy as a new transfer student, MATH 1329 completion is key. Any core- coded course will apply toward the degree program; however, MATH 1329 is required for the major.	Yes
	AS Business	1324 or 1325	BA Economics	MATH 1329			To be accepted into McCoy as a new transfer student, MATH 1329	Yes

							completion is key. Any core-coded course will apply toward the degree program; however, MATH 1329 is required for the major.	
<b>Computer Science</b>	AS CIS	1324 or 1325	BBA Computer Information Systems	1329		ACC: show 1325 required at TXST		Yes (ACC advising specify 1325 for TxST transfers)
	AS CS	2413	BS Computer Science	2471		OK		Yes
			BA Computer Science	1317 or 2417		ACC: Offer 1316? Specify 2412	Need discussion about ACC 1316	Yes (ACC advising specify 2412 for TxST transfers)
<b>Interdisciplinary Studies</b>	ATT 4-8	1314 or 1324	Int. Stud.4-8 gen	1315 or 1319		Math Aligned		Yes
			Int.Stud4-8math	1315 or 1319		Math Aligned		Yes
			Int.Stud4-8 math& science	1315 or 1319		Math Aligned		Yes
			Int.Stud4-8 science	1315 or 1319		Math Aligned		Yes

			Int.Stud4-8 ELA	Any Core 020		ACC: could expand		Yes
	AAT 8-12	Select from math	Interdisciplinary	1315 or 1319		ACC: specify 1314 or 1324		Yes (ACC advising specify 1314 or 1324 for TxST transfers)
	AAT EC-6	Select from math	Interdisciplinary	1315 or 1319		ACC: specify 1314 or 1324		Yes(ACC advising specify 1314 or 1324 for TxST transfers)
<b>Criminal Justice</b>	AAS	1314	BSCJ-CJ	Any Core 020		ACC: only AAS, no AA or AS	BSCJ is a transfer degree. ACC has only an AAS degree in this area	Yes (ACC considering a transfer degree aligned with BSCJ-CJ)
<b>Engineering</b>	AS Electrical	2413	BS Engineering (any field)	2471	1315, 2417			Yes
<b>Exercise Sports &amp; Science</b>	AAS Exercise Science	Core	BESS-Exercise & Sports Science	1315		ACC: only AAS, no AA or AS	BESS is a transfer degree. ACC has only an AAS degree in this area	Yes (ACC considering transfer program aligned with BESS)
<b>Mass Communication</b>	AA Journalism	Core	BS Journalism Advertising Public Relations	Any Core 020 except		ACC: specify that 1332 won't count		Yes (ACC advising include 1332 not counted)

			Electronic Media Digital Media Innovation	MATH 1316				toward TxST degree)
			BA Mass Comm	Any Core 020		ACC: specify different TXST degrees		Yes
<b>Nursing</b>	ADN Mobility	1342	BSN Nursing	1315, 1319, or 1329		ACC: if degrees can align, for math: 1314, 1324, or 1325		<b>Maybe</b> Depends on when the student transfers
	ADN	1342				ACC: if degrees can align, for math: 1314, 1324, or 1325		<b>Maybe</b> Depends on when the student transfers
			BS Health Sciences	1315, 1319, 1329, 2321, 2417, or 2471		ACC: Only an Algebra-based math course applies.		<b>Maybe</b> Depends on when the student transfers
<b>Psychology</b>	AA	1332, 1314, or 1342	BA Psychology	1312 or 1315		ACC: require 1314 or 1324	TXST requires college algebra because of prerequisite for Advanced Statistics	No (ACC advising let students know TxST requirement— Question for ACC: can 1314 or 1324

								be substituted for AA degree)
			BS Psychology	1315		ACC require 1314 or 1324	TXST requires college algebra because of prerequisite for Advanced Statistics	No (ACC let students know TxST requirement— Question for ACC: can 1314 or 1324 be substituted for AA degree)
<b>Social Work</b>	AA Social Work	1332 or 1314, 1342	BSW Social Work	1315, 1316, 1319, or 1342		ACC: 1342 won't count		Yes