



Transfer Pathway: Your roadmap from South Texas College

Bachelor of Science in Biomedical Sciences Pre-Professional Option

Freshman Year Fall Semester

South Texas College Courses	SCH	Transfers to Texas A&M-Kingsville as	SCH
<input type="checkbox"/> ENGL 1301-Composition I	3	<input type="checkbox"/> ENGL 1301-Rhetoric & Comp I	3
<input type="checkbox"/> BIOL 1406-General Biology I	4	<input type="checkbox"/> BIOL 1306/1106-General Biology I	4
<input type="checkbox"/> HIST 1301-United States History I	3	<input type="checkbox"/> HIST 1301-American History to 1877	3
<input type="checkbox"/> MATH 1414-College Algebra	4	<input type="checkbox"/> Minor or Elective	4
Total Credit Hours	14	Total Credit Hours	14

Freshman Year Spring Semester

South Texas College Courses	SCH	Transfers to Texas A&M-Kingsville as	SCH
<input type="checkbox"/> HIST 1302-United States History II	3	<input type="checkbox"/> HIST 1302-Am. History Since 1877	3
<input type="checkbox"/> Creative Arts (050)	3	<input type="checkbox"/> Creative Arts (050)	3
<input type="checkbox"/> ENGL 1302-Composition II	3	<input type="checkbox"/> ENGL 1302-Rhetoric & Comp II	3
<input type="checkbox"/> BIOL 1407-General Biology II	4	<input type="checkbox"/> BIOL 1307/1107-General Biology II	4
<input type="checkbox"/> MATH 2412-Pre-Calculus	4	<input type="checkbox"/> Minor or Elective	4
Total Credit Hours	17	Total Credit Hours	17

Sophomore Year Fall Semester

South Texas College Courses	SCH	Transfers to Texas A&M-Kingsville as	SCH
<input type="checkbox"/> Communication (010)	3	<input type="checkbox"/> Communication (010)	3
<input type="checkbox"/> GOVT 2305-Federal Government	3	<input type="checkbox"/> POLS 2301- Govt & Politics of US	3
<input type="checkbox"/> CHEM 1411-General Chemistry I	4	<input type="checkbox"/> CHEM 1311/1111-Inorganic Chem I	4
<input type="checkbox"/> MATH 2413-Calculus I	4	<input type="checkbox"/> MATH 2413-Calculus I	4
<input type="checkbox"/> PHYS 1401-College Physics	4	<input type="checkbox"/> PHYS 1301/1101-College Physics	4
Total Credit Hours	18	Total Credit Hours	18

Sophomore Year Spring Semester

South Texas College Courses	SCH	Transfers to Texas A&M-Kingsville as	SCH
<input type="checkbox"/> Language, Philosophy & Culture (040)	3	<input type="checkbox"/> Language, Phil & Culture (040)	3
<input type="checkbox"/> GOVT 2306-Texas Government	3	<input type="checkbox"/> POLS 2302-Govt & Politics of Texas	3
<input type="checkbox"/> Social & Behavioral Science (080)	3	<input type="checkbox"/> Social & Behavioral Science (080)	3
<input type="checkbox"/> CHEM 1412-General Chemistry II	4	<input type="checkbox"/> CHEM 1312/1112-Inorganic Chem II	4
<input type="checkbox"/> PHYS 1402-College Physics II	4	<input type="checkbox"/> PHYS 1402-College Physics II	4
Total Credit Hours	17	Total Credit Hours	17

Although following a pathway does not guarantee admission to Texas A&M-Kingsville, it gives you a clear roadmap to prepare for your major and be well positioned to graduate on time.

Candidates for a bachelor's degree must have a minimum of 25% of total semester credit hours (SCH) required for the degree completed in residence at Texas A&M-Kingsville. Twenty-four of the last 30 SCH must be taken at Texas A&M-Kingsville.

A major when specified as a degree requirement shall consist of a minimum of 24 SCH in one subject, 6 of which must be taken at Texas A&M-Kingsville. In English, the required freshman courses may not count as part of this amount.

A minor shall consist of a minimum of 18 SCH in a subject closely related to the major. In English, the required freshman courses may not count as part of this amount. At least 50% of the work offered in the major field must be advanced, and at least 6 SCH of advanced work must be offered in the minor field. For more details, please see the Academic Catalog at <https://catalog.tamuk.edu/>.



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Junior Year Fall Semester

Texas A&M-Kingsville Courses	SCH	Texas A&M-Kingsville Courses	SCH
<input type="checkbox"/> BIOL 2421-Microbiology	4	<input type="checkbox"/> CHEM 3323-Organic Chem I Lecture	3
<input type="checkbox"/> BIOL 3402-Genetics	4	<input type="checkbox"/> CHEM 3123-Organic Chem I Lab	1
Total Credit Hours			12

Junior Year Spring Semester

Texas A&M-Kingsville Courses	SCH	Texas A&M-Kingsville Courses	SCH
<input type="checkbox"/> STAT 4301-Biostatistics	3	<input type="checkbox"/> CHEM 3325-Organic Chem II Lecture	3
<input type="checkbox"/> Advanced Elective	3	<input type="checkbox"/> CHEM 3125-Organic Chem II Lab	1
<input type="checkbox"/> BIOL 3408-Animal Physiology	4	Total Credit Hours	
			14

Senior Year Fall Semester

Texas A&M-Kingsville Courses	SCH	Texas A&M-Kingsville Courses	SCH
<input type="checkbox"/> BIOL 4426-Cellular Biology	4	<input type="checkbox"/> Advanced Biology ¹	3
<input type="checkbox"/> BIOL 4102-Seminar (WI)	1	<input type="checkbox"/> Advanced Minor ²	3
<input type="checkbox"/> BIOL 4401-Molecular Biology	4	Total Credit Hours	
			15

Senior Year Spring Semester

Texas A&M-Kingsville Courses	SCH	Texas A&M-Kingsville Courses	SCH
<input type="checkbox"/> BIOL 4335-Molecular Genetics	3	<input type="checkbox"/> Advanced Elective	4
<input type="checkbox"/> Advanced Biology ¹	3	<input type="checkbox"/> Advanced Minor ²	3
Total Credit Hours			13

¹Students pursuing the pre-professional option (medicine, veterinary medicine, dentistry, pharmacy, physician's assistant, optometry, physical therapy and occupational therapy) may choose from approved biology electives that are biomedically relevant courses, below.

²Student pursuing the pre-professional option may choose from any approved minor electives in any suitable field.

Approved Biomedical Sciences Electives

Code	Title	SCH
BIOL 2401	Human Anatomy and Physiol	4
BIOL 2402	Human Anat and Physiology II	4
BIOL 3112		1
BIOL 3301	Evolutionary Theory	3
BIOL 3407	Ecology	4
BIOL 4304	Research Projects in Biol	3
BIOL 4332	Pathophysiology	3
BIOL 4334	Molecular Neurobiology	3
BIOL 4355	Topics in Biology	3
(Approved topics are: Epigenetics, Immunology, Genetics of Human Disease, Systems Neurobiology, Ecology and Human Disease or Understanding Human Physiology)		
BIOL 4402	Vertebrate Embryology	4
BIOL 4406	Bacteriology	4
BIOL 4408	Immunology	4
BIOL 4410	Topics in Biology	4
(Approved topics are: Forensic Science, Advanced Forensic Science, Ecology of Human Disease, Functional Neuroanatomy or Human Ecology and Health)		
BIOL 4430	Parasitology	4
BIOL 4433	Histology	4
Total Semester Credit Hours		52

Organismal Biology Courses not Suitable for Biomedical Electives

Code	Title	SCH
BIOL 3375		3
BIOL 3401	Invertebrate Zoology	4
BIOL 3403	Plant Taxonomy	4
BIOL 3405	Vertebrate Zoology	4
BIOL 3409	Field Biology I	4
BIOL 4413	Nonflowering Plants	4
BIOL 4425	Ornithology	4
BIOL 4427	Herpetology	4
BIOL 4429	Mammalogy	4
BIOL 4431	Ichthyology	4
BIOL 4355	Topics in Biology	3
(Special Topics: Tropical Ecology, Tropical Bid. Field Tech.)		
BIOL 4410	Topics in Biology	4
(Special Topics: Marine Ecology, Marine Biology)		
Total Semester Credit Hours		46

New courses will be reviewed and approved by the department Biomedical Curriculum Committee.