



**Biomedical Sciences**  
 College of Veterinary Medicine & Biomedical Sciences  
 Higher Education Center at McAllen (HECM)  
 Contact Person | Dr. Elizabeth Crouch  
[BIMS@cvm.tamu.edu](mailto:BIMS@cvm.tamu.edu) or 979-845-4941  
[Vetmed.tamu.edu/bims](http://Vetmed.tamu.edu/bims)

**2022-2023 Transfer Course Sheet**  
 Minimum GPA | 3.0  
 Minimum Transferable Hours | 45  
 Maximum Transferable Hours | 75  
 Second-Choice Major Eligible | NO

**Required Coursework for Admission**

Course Name	Hrs.	TCCNS	TAMU
Engineering Math I*	4	MATH 2413	MATH 151
College Physics I	4	PHYS 1401	PHYS 201
College Physics II	4	PHYS 1402	PHYS 202
General Chemistry I	4	CHEM 1411 (1311/1111)	CHEM 119
General Chemistry II	4	CHEM 1412 (1312/1112)	CHEM 120
Organic Chemistry I	4	CHEM 2423	CHEM 227/237
Organic Chemistry II	4	CHEM 2425	CHEM 228/238
Majors Biology I	4	BIOL 1406 (1306/1106)	BIOL 111
Majors Biology II	4	BIOL 1407 (1307/1107)	BIOL 112

- Courses listed above should be completed with a grade of B or better.
- Students may have to complete Trigonometry and Pre-Calculus (MATH 2412) at their institutions before taking MATH 2413.
- Trigonometry and Pre-Calculus are transferable courses but **will not** satisfy the Mathematics requirements in this degree plan.
- Students may have to complete College Algebra (MATH 1314) at their institution before taking MATH 1324 or 1325.
- College Algebra is a transferable course but **will not** satisfy the Mathematics requirements in this degree plan.
- \*Either Math 1325 or MATH 2413 satisfies the calculus requirement for Biomedical Sciences.

**The recommendations below represent what a typical TAMU student's schedule looks like during the first four semesters. If working to complete an Associate's Degree before transferring, please align your degree plan to satisfy TAMU degree requirements. You may not have to complete the coursework in the sequence below but this major requires specific coursework to be completed (see science and math above).**

**First Year**

**FALL SEMESTER**

TCCNS	TAMU	Course Name	Hrs.
BIOL 1406 (1306/1106)	BIOL 111	Biology I	4
CHEM 1411 (1311/1111)	CHEM 119	Chemistry I	4
MATH 2412	MATH 150	Pre-Calculus	4
	<a href="http://core.tamu.edu">core.tamu.edu</a>	Communication	3
<b>Total</b>			<b>15</b>

**SPRING SEMESTER**

TCCNS	TAMU	Course Name	Hrs.
BIOL 1407 (1307/1107)	BIOL 112	Biology II	4
CHEM 1412 (1312/1112)	CHEM 120	Chemistry II	4
MATH 2413	MATH 151	Engineering Math I	4
ENGL 1302	ENGL 104	Communication	3
	<a href="http://core.tamu.edu">core.tamu.edu</a>	Social & Behavioral Sciences	3
<b>Total</b>			<b>18</b>

- ENGL 1301 and a second core curriculum ENGL prefix course are strongly suggested in this degree plan.
- PSYC 2301 (PSYC 107) is recommended as a Social and Behavioral Science



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**2022-2023 Transfer Course Sheet**  
 Minimum GPA | 3.0  
 Minimum Transferable Hours | 45  
 Maximum Transferable Hours | 75  
 Second-Choice Major Eligible | NO

## Second Year

### FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 2323/2423	CHEM 227/237	Organic Chemistry I	4
PHYS 1401 (1301/1101)	PHYS 201	College Physics I	4
	<a href="http://core.tamu.edu">core.tamu.edu</a>	American History	3
GOVT 2305	POLS 206	American National Government	3
	<a href="http://core.tamu.edu">core.tamu.edu</a>	Creative Arts	3
<b>Total</b>			<b>17</b>

### SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 2325/2425	CHEM 227/237	Organic Chemistry II	4
PHYS 1402 (1302/1102)	PHYS 201	College Physics II	4
	<a href="http://core.tamu.edu">core.tamu.edu</a>	American History	3
GOVT 2306	POLS 207	State & Local Government	3
	<a href="http://core.tamu.edu">core.tamu.edu</a>	Language, Philosophy & Culture	3
<b>Total</b>			<b>17</b>

- BIOL 2401 and 2402 will not be acceptable in the BIMS degree plan.
- Consider taking courses that fulfill the 3 hours of [International and Cultural Diversity requirement](#) and 3 hours of [Cultural Discourse](#) when completing the Language Philosophy and Culture, and Creative Arts requirements.
- Students may reverse transfer core curriculum courses taken at TAMU in order to keep hours at the community college near 60 hours.
- **Coursework Timeline**
- Competitive applicants will have the Required coursework completed by the application deadline.
- Applicants to the fall term **may be** asked to submit spring final grades, this is not a guarantee.
- Summer coursework **will not** be considered for fall applicants.
- Fall coursework **will not** be considered for spring applicants.
- Applicants to the spring term should have the Required coursework completed by the end of Summer II semester before applying.

### Additional Transfer Requirements

- Transfer applicants should have a 3.0 overall GPA, no more than 75 transferrable hours at the time of application and a B or better in all science courses and a calculus course.
- The Biomedical Sciences Program is looking for students who are interested in pursuing our degree as a focus. Students should indicate our department as the primary major they are interested in if they wish to be admitted. The essay and supporting materials should reflect that the student is interested in pursuing our degree.
- Meeting minimum requirements **does not** guarantee admission. The entire record is reviewed for consistency in coursework and grades.

### Additional Information

- Transfer applicants are instructed **NOT** to accept transfer admission to any major with the expectation of later applying for an on-campus change of major.

### Career & Educational Opportunities

Biomedical sciences is a broad field of applied biology that is directed toward understanding health and disease. The curriculum is designed to provide a strong four-year education that emphasizes versatility of the graduate in the biological and medical sciences. A highly effective counseling program assists students with the development of an individualized approach and course package that orients and prepares the students for entry into the medical, allied health field, or graduate program of their choice. Such an approach enhances their educational experiences, improves their placement in professional and graduate programs, and facilitates their entry into the biomedical science job market. For more information please visit [careercenter.tamu.edu](http://careercenter.tamu.edu).

### Transfer Course Sheet Notes

1. Admission preference is given to applicants with the highest GPA and the most appropriate courses completed.
2. Transfer applicants are encouraged to complete [University Core Curriculum](#) coursework found in the [Undergraduate Catalog](#) unless specified above.
3. This Transfer Course Sheet was supported in a partnership between the Office of Admissions and the College of Veterinary Medicine and Biomedical Sciences at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.