



**Genetics**  
**College of Agriculture & Life Sciences**  
**Khara Spears | [Khara.Spears@ag.tamu.edu](mailto:Khara.Spears@ag.tamu.edu)**  
**[Bcbp.tamu.edu](http://Bcbp.tamu.edu)**

**2025-2026 Transfer Course Sheet**  
**Minimum GPA: 3.00**  
**Minimum Transferable Hours: 24**  
**Maximum Transferable Hours: 80**  
**Second-Choice Major Eligible: YES**

### Required Coursework for Admission

| Course Name         | Hrs. | TCCNS                 | TAMU     |
|---------------------|------|-----------------------|----------|
| Biology I           | 4    | BIOL 1406 (1306/1106) | BIOL 111 |
| Biology II          | 4    | BIOL 1407 (1307/1107) | BIOL 112 |
| Chemistry I         | 4    | CHEM 1411 (1311/1111) | CHEM 119 |
| Chemistry II        | 4    | CHEM 1412 (1312/1112) | CHEM 120 |
| Engineering Math I  | 4    | MATH 2413             | MATH 151 |
| Engineering Math II | 4    | MATH 2414             | MATH 152 |

**This transfer course sheet is applicable for applicants applying between August 1<sup>st</sup>, 2025 and October 15<sup>th</sup>, 2026.**

- Courses listed should be completed with a grade of C or better.
- Students may have to complete Trigonometry and Pre-Calculus (MATH 2412) at their institution 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 2413 or 2414.
- College Algebra is a transferable course but **will not** satisfy the Mathematics requirements in this degree plan.
- AP credit for required courses is acceptable.

**The recommendations below represent what a typical TAMU student's schedule looks like during the first four semesters. If working to complete an associate 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, as certain courses may not be offered at your institution, but this major requires or recommends specific coursework to be completed.**

### 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 2413             | MATH 151 | Engineering Math I     | 4         |
| ENGL 1302             | ENGL 104 | Composition & Rhetoric | 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 2414             | MATH 152 | Engineering Math II        | 4         |
| ENGL 2311             | ENGL 210 | Technical Business Writing | 3         |
| <b>Total</b>          |          |                            | <b>15</b> |

- ENGL 1301 is a transferable course but **will not** satisfy the Communication requirements in this degree plan. However, this is a pre-requisite to ENGL 1302.

### Second Year

#### FALL SEMESTER

| TCCNS                 | TAMU                                                   | Course Name            | Hrs.      |
|-----------------------|--------------------------------------------------------|------------------------|-----------|
| CHEM 2323/2423        | CHEM 257                                               | Organic Chemistry I    | 4         |
| PHYS 1401 (1301/1101) | PHYS 201                                               | College Physics I      | 4         |
|                       | <a href="http://catalog.tamu.edu">catalog.tamu.edu</a> | American History       | 3         |
| GOVT 2305             | POLS 206                                               | American National Gov. | 3         |
| <b>Total</b>          |                                                        |                        | <b>14</b> |

#### SPRING SEMESTER

| TCCNS                 | TAMU                                                   | Course Name            | Hrs.      |
|-----------------------|--------------------------------------------------------|------------------------|-----------|
| CHEM 2325/2425        | CHEM 258                                               | Organic Chemistry II   | 4         |
| PHYS 1402 (1302/1102) | PHYS 202                                               | College Physics II     | 4         |
|                       | <a href="http://catalog.tamu.edu">catalog.tamu.edu</a> | American History       | 3         |
|                       | STAT 312*                                              | Statistics for Biology | 3         |
| <b>Total</b>          |                                                        |                        | <b>14</b> |

- BIOL 2401, 2402, 2420 and 2421 will not be acceptable in any of the BIOL degree plans.  
Consider taking courses that fulfill the 6 hours of [International and Cultural Diversity requirement](#) when completing the Social and Behavioral Sciences, free electives and Creative Arts requirements.
- \*STAT 312 is an example of coursework that may not be offered at all institutions. However, you will still be required to complete these courses as part of your Genetics degree plan.



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**Minimum GPA: 3.00**  
**Minimum Transferable Hours: 24**  
**Maximum Transferable Hours: 80**  
**Second-Choice Major Eligible: YES**

#### **Coursework Timeline**

- Competitive applicants will have the Required coursework completed by the application deadline.
- Summer coursework **will not** be considered for summer/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**

- The Department of Biochemistry & Biophysics is looking for students who are interested in pursuing our degree as a focus. Students should indicate our department as the primary major choice or the secondary major choice 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.

#### **Additional Information**

- Applicants should be serious about earning a degree in Genetics.
- 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.
- Please be sure to address why you would like to be a Genetics major as well as any D's, Q's, F's, NG's, or W's appearing in your transcript when writing your essay
- Contacting an academic advisor in this department is strongly recommended prior to application.

#### **Career & Educational Opportunities**

Study the building blocks of heredity and their influence, from molecules to populations, and prepare to have a profound impact on human affairs in this rapidly developing field. Genetics is one of the most exciting, rapidly expanding areas in the life sciences. More than an independent discipline, it has become the basis for understanding many aspects of medical and agricultural systems, animal and plant diseases, and even animal behavior. Developments in molecular genetics have provided biotechnologies that will dramatically affect our lives from the improved diagnosis of human disease, to the production of viral-resistant crops, to environmental cleanup. The undergraduate curriculum in genetics allows the study of several different aspects of genetics, including population genetics, human genetics and genetic engineering. The genetics major is designed to develop the knowledge and skills necessary for advanced studies in all disciplines related to life sciences from medicine/veterinary medicine to genetic engineering. This basic science curriculum also has enough flexibility to allow a student to prepare for such diverse careers as forensics, medicine, business or law. For more information please visit [careercenter.tamu.edu](http://careercenter.tamu.edu).

#### **Transfer Course Sheet Notes**

1. Transfer applicants are encouraged to complete [University Core Curriculum](#) coursework found in the [Undergraduate Catalog](#) unless specified above.
2. This Transfer Course Sheet was supported in a partnership between the Office of Admissions and the College of Agriculture & Life Sciences at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.