

Abilene Approval Chart for Curriculum Changes

A = Approve

I = Information Item

R = Respond In Writing

Course Number: BIOL 351

or Degree Plan(s):

BIOL 351 Genetics

Catalog descriptions:

Current: Survey of the fundamental principles of genetics including Mendelian inheritance, molecular genetics, and population genetics. **Prerequisite:** BIOL 121/BIOL 122 and BIOL 123/BIOL 124 with a minimum grade of “C” and MATH 109 or higher.

Terms offered: Fall, Spring

Proposed: Survey of the fundamental principles of genetics including Mendelian inheritance, molecular genetics, and population genetics. **Prerequisite:** BIOL 312 with a minimum grade of “C” or Junior standing with credit in ANSC 111, and MATH 109 or higher. **Corequisite:** BIOL 352.

Terms offered: Spring

		De pt./ Sch ool	Coll ege	Dea n	TEC	AU AC/ Gra d	Pro vos t
	Campus-Level Academic Review¹						
	Change to a Course Include signatures from all chairs/program directors for cross-listed courses. ¹						
1.	Title (description unchanged)	A	A	A	I	I	I
2.	Description (not affecting content)	A	A	A	I	I	I
3.	<u>Course term(s)</u>	A	I	A	I	I	I
4.	Content (change of course outcomes)	A	A	A	I	I	A
5.	Number of credit hours	A	A	A	A	A	A
6.	Course number within the hundred	A	A	I	I	I	I
7.	Course number beyond the hundred	A	A	A	A	A	A
8.	<u>Prerequisites</u>	A	A	A	I	I	I
9.	Course restriction (e.g., majors only, junior standing)	A	A	A	A	A	A
10.	Level change (U to G or G to U)	A	A	A	A	A	A
11.	Cross list course	A	A	A	A	A	A
12.	Department of record	A	A	A	A	A	A
13.	Open or close a course	A	A	A	A	A	A
	Change to a Degree Plan						
14.	Educational Program — Revise	A	A	A	A	A	A
15.	Educational Program — Adopt/revise admission requirements	A	A	A	A	A	A
16.	GPA — Revise program-required GPA	A	A	A	A	A	A
17.	Minor — Revise	A	A	A	A	A	A

		De pt. /Sc hol	Col leg e	De an	TE C	AU AC/ Grad	Pro vos t	Ca mp us Fac ult y	Se nior VP AA	Pre sid ent
	Full Review									
	Change to Catalog Information (for Campus)									
18.	General requirements for Bachelor's and Associate Degrees	-	-	-	-	A	A	A	A	I
19.	Policies governing academic probation and suspension	-	-	-	-	A	A	A	A	I
20.	Requirements for graduating with honors	-	-	-	-	A	A	A	A	I
	Change to a Degree Plan									
21.	Educational Program — Add or Discontinue ²³	A	A	A	A	A	A	A	A	I
22.	Educational Program — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	I
23.	Minor — Add or Discontinue	A	A	A	A	A	A	-	A	I
24.	Minor — Discontinue (Provost-proposed)	R	-	R	A	A	A	-	A	I
25.	Degree — Add or Discontinue	A	A	A	A	A	A	A	A	I
26.	Degree — Discontinue (Provost-proposed)	R	-	R	A	A	A	A	A	I

		De pt. /Sch ool	Col leg e	Dea n	TEC	AU AC/ Grad	Pro vos t	Ca mp us Fac ult y	Sen ior VP AA	Pre sid ent
	Change to General Education Requirements for Undergraduates (System)									
27.	Change course outcomes of an included course	A	A	A	A	A	A	-	A	I
28.	Add or drop a required course from the General Education Requirements	A	-	A	-	A	A	A	A	I
29.	Add or drop a course from a menu within the General Education Requirements	A	-	A	-	A	A	-	A	I
30.	Comprehensive revision of General Education Requirements	-	-	-	-	A	A	A	A	I

Notes

² Any change to a cross-listed course requires the signature of both department chairs or program directors overseeing the course to ensure that the courses stay in sync. This includes courses taught at other campuses (e.g. BIBL 101 and BIBO 101).

³ For undergraduate majors, a minimum of 30 hours is required. These programs must have a minimum of 6 elective hours, unless the requirements of external accrediting bodies make it impossible. Master's programs must include a minimum of 30 hours, and doctoral programs must include a minimum of 30 hours beyond the master's.

⁴ When a department/school or dean proposes closing a program, approval routing follows the typical process beginning with the department/school. An administrative proposal by the provost or senior vice president for academic affairs would follow the “provost-proposed” routing on the chart.

Updated 8/1/2023

Department/School(s)

Jennifer Huddleston

2/28/2025

Chair Signature

Date

Chair/Program Director Signature

Date

College Academic Council(s)

Charles Minter

4/8/2025

Chair Signature

Date

Chair Signature

Date

Dean(s)

Charles Minter

4/8/2025

Signature

Date

Signature

Date

Teacher Education Council

Signature

Date

**Campus Academic Council:
Abilene Undergraduate or Abilene Graduate**

Signature

Date

Provost

Signature

Date

University General Education Council

Signature

Date

University Faculty

Abilene Faculty Senate Chair signature

Date

Dallas Faculty Council Chair signature

Date

Senior Vice President for Academic Affairs

Signature

Date

President

Signature

Date

Re: Genetics Lab and Subsequent Changes

1 message

Autumn Sutherlin <als03c@acu.edu>
To: Jennifer Huddleston <jrh11a@acu.edu>

Thu, Feb 27, 2025 at 4:39 PM

All of the biochem degrees require BIOL 312, so that will not be an issue. I agree, the only change would be the additional one hour of lab if students choose to take genetics in their selection in the Biochem - Biomedical sciences degree and the added 1 hr lab in the pre-vet track.

Autumn

Autumn Sutherlin, Ph.D.
Chair and Professor
Department of Chemistry and Biochemistry
Abilene Christian University

On Thu, Feb 27, 2025 at 4:30 PM Jennifer Huddleston <jrh11a@acu.edu> wrote:
Autumn,

As I mentioned to you a few weeks ago, Biology is proposing that we change two things about BIOL 351 Genetics. This course is a required course on these two tracks in your department:

Biochemistry, Biomedical Science, BS (BCH-BCBS)
Biochemistry, Pre-Vet, BS (BCH-BCHV)

1. We are proposing to change the prerequisites:

Current: Survey of the fundamental principles of genetics including Mendelian inheritance, molecular genetics, and population genetics. Prerequisite: BIOL 121/BIOL 122 and BIOL 123/BIOL 124 with a minimum grade of "C" and MATH 109 or higher.

Proposed

Prerequisite: BIOL 312 with a minimum grade of "C" and MATH 109 or higher. Corequisite: BIOL 352.

2. We are proposing to add a corequisite 1-hour lab, BIOL 352.

3. Change to spring only. We are planning to teach this course in the fall of 2025 and the spring of 2026, but after that we plan to teach it in the spring only.

Students who are "on the old catalogs" and do not need the Genetics lab can receive an exception for the lab. We encourage these students to take Genetics this coming fall. We will start offering the lab in the spring semester.

We are making these changes in order to prepare our students better for success in Genetics and future courses. A good understanding of Cell Biology prepares students well for Genetics. Furthermore, a Genetics Lab supports the content in the lecture and helps students to grasp these difficult concepts more quickly and in a hands-on way.

It is my understanding that Cell Biology is currently a part of your degree plans, so this should not disrupt your degree plans much except for the addition of the 1-hour lab.

Please let me know what you think and how this might affect the students in your department so that I can add your response to the course application packet.

Blessings,
Dr. Jennifer R. Huddleston

Re: Genetics Lab and Subsequent Changes

1 message

Stephanie Talley <srt03c@acu.edu>

Thu, Feb 27, 2025 at 4:40 PM

To: Jennifer Huddleston <jrh11a@acu.edu>

At a first glance, my question is what do we need to remove to add room for the cell biology pre-req in the middle school science degree plan. But, I don't have the degree plan in front of me. There may be space. Let me do some digging!

Thanks!

ST

On Thu, Feb 27, 2025 at 4:30 PM Jennifer Huddleston <jrh11a@acu.edu> wrote:

Stephanie,

Biology is proposing that we change two things about BIOL 351 Genetics. This course is a required course on these three tracks in your department:

- High School Teacher Certification - Composite Sciences - Biology, BS (BIOT-BTCS)
- High School Teacher Certification - Life Science, BS (BIOT-BIOT)
- Middle School Education (Grades 4-8), Science, BS (MSSED-MSSC) - Cell not required

1. We are proposing to change the prerequisites:

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Prerequisite: BIOL 312 with a minimum grade of "C" and MATH 109 or higher. Corequisite: BIOL 352.

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We are making these changes in order to prepare our students better for success in Genetics and future courses. A good understanding of Cell Biology prepares students well for Genetics. Furthermore, a Genetics Lab supports the content in the lecture and helps students to grasp these difficult concepts more quickly and in a hands-on way.

I do realize that the Cell Biology prerequisite adds a 3-hour class that is not currently a part of your middle school science degree plan.

Please let me know what you think and how this might affect the students in your department so that I can add your response to the course application packet.

Blessings,

Dr. Jennifer R. Huddleston

Associate Professor

Support for BIOL 351

1 message

Jim Carpenter <jac16d@acu.edu>
To: Jennifer Huddleston <jrh11a@acu.edu>
Cc: Charla Miertschin <csm23a@acu.edu>

Tue, Mar 25, 2025 at 1:28 PM

Jennifer,

Thank you for consulting with us on the proposed changes to BIOL 351: Genetics. A&E did have concern with the initial proposal changing the prerequisite from BIOL 121/122 and BIOL 123/124 to BIOL 312. That combined with the addition of a genetics lab, would increase the number of hours by 4 in all 3 tracks that require Genetics, and the Pre-Vet track is already at 77 hours. However, with the change in prerequisites to BIOL 312, or ANSC 111 and junior standing, the tracks will only increase by 1 hour. This is an acceptable change for us until we get Plant and Animal Genetics approved next year. I am glad we were able to find a solution that works for both departments.

In Him,
JimC

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Jim Carpenter, Chair
Associate Professor of Environmental Sciences
Department of Agricultural and Environmental Sciences
Abilene Christian University
325-674-2277

Re: Genetics Lab and Subsequent Changes

1 message

Jim Carpenter <jac16d@acu.edu>
To: Jennifer Huddleston <jrh11a@acu.edu>

Fri, Mar 21, 2025 at 1:15 PM

Jennifer,
Yes, that would work.
In Him,
JimC

On Fri, Mar 21, 2025 at 1:08 PM Jennifer Huddleston <jrh11a@acu.edu> wrote:
Jim,

Thank you for the productive meeting that we had on Wednesday afternoon. Since that meeting where we agreed that adding "or junior standing" would be an acceptable solution to the Genetics prerequisite, I came up with adding "or Junior standing with credit in ANSC 111." This would allow the pre-vet students who need the course as a prerequisite for vet school in Texas to take the course without adding extra hours to their program, while still forcing all other students to take the BIOL 312 Cell Biology prerequisite so that they can be as prepared as possible for BIOL 351. The Biology faculty approved that prerequisite today. Would you also support this change?

Thanks!
- Jennifer

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Terms offered: Spring

On Mon, Mar 3, 2025 at 9:44 AM Jim Carpenter <jac16d@acu.edu> wrote:

Jennifer,
Thank you for letting us know about these proposed changes. BIOL 351 would not require BIOL 313, just BIOL 312? If so, that would increase the ANSC degree plans by 4 hours. The Pre-Vet track is already at 77 hours, so we would have to cut another course to accommodate this change. I understand that having had Cell would help students in Genetics, but is it necessary? A search of the UT, Texas Tech, and TAMU catalogs show that none of them require Cell Biology for their general genetics courses.
In Him,
JimC

On Thu, Feb 27, 2025 at 4:30 PM Jennifer Huddleston <jrh11a@acu.edu> wrote:
Jim,

As I mentioned to you last week, Biology is proposing that we change two things about BIOL 351 Genetics. This course is a required course on these three tracks in your department:

- Animal Health Professions Cooperative, BS (AHPC)
- Animal Science, Livestock Production, BS (ANSC-LP)
- Animal Science, Pre-Veterinary Medicine and Health, BS (ANSC-PVH)

1. We are proposing to change the prerequisites:

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I do realize that the Cell Biology prerequisite adds a 3-hour class that is not currently a part of your degree plans. I also understand that your department is developing its own version of Genetics of Plants and Animals, so that this might not be an issue.

Please let me know what you think and how this might affect the students in your department so that I can add your response to the course application packet.

Blessings,

Dr. Jennifer R. Huddleston

Associate Professor
Department Chair
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202 Halbert-Walling Research Center
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Abilene, Texas 79699-7868
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[Book an appointment](#)

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