

Your Degree in Biotechnology

The Associate of Science degree in Biotechnology from Salt Lake Community College is designed to transfer to Utah Valley University's Baccalaureate program in Biotechnology. Students in this program will complete an AS degree in Biotechnology along with transfer courses through SLCC. Students complete upper division requirements through UVU on the SLCC Jordan campus. This form is designed to give an overview of course requirements for this program.

Associate of Science (A.S.) Transfer Degree in Biotechnology from SLCC

2012/2013 Catalog

GENERAL EDUCATION REQUIREMENTS (33 Credits)

Course	CRSEM	Prerequisites
<i>Composition (6 credits)</i>		
<input type="checkbox"/> ENGL 1010 Introduction to Writing	3 A	*WRTG 0990 or placement score
<input type="checkbox"/> ENGL 2010 Intermediate Writing	3 A	*ENGL 1010
<i>Quantitative Literacy (4 credits)</i>		
<input type="checkbox"/> MATH 1050 College Algebra score	4 A	*MATH 1010 and RDG 0990 w/C or better or placement
<i>American Institutions (choose any one of the following for 3 credits)</i>		
<input type="checkbox"/> ECON 1740 Econ Hist of the US or	3 A	*RDG 0990 or placement score
<input type="checkbox"/> HIST 1700 Amer Civilization or	3 A	*RDG 0990 or placement score
<input type="checkbox"/> POLS 1100 US Gov & Politics	3 A	*RDG 0990 or placement score

INSTITUTIONAL REQUIREMENTS

<i>Lifelong Wellness (Choose an HLAC course for 1 credit)</i>		
<input type="checkbox"/> _____	1 A	None
<i>Student Choice (3 credits)</i>		
<input type="checkbox"/> Choose depth or intensive	3 A	

Distribution Areas (15 credits) Students must take one course (3 credits) from each of the following six areas (BS) (FA) (HU) (ID) and (SS). One of the five courses must also be a Diversity course (DV).

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|--|---|
| <input type="checkbox"/> Biological Science: <u>BIOL 1610 Col Bio I + Lab (1615)</u> | <input type="checkbox"/> Interdisciplinary: _____ |
| <input type="checkbox"/> Fine Arts: _____ | <input type="checkbox"/> Social Science: _____ |
| <input type="checkbox"/> Humanities: _____ | <input type="checkbox"/> Physical Science: <u>Exempt as CHEM 1210 is required</u> |

MAJOR COURSE REQUIREMENTS(27 -29 Credits)

<input type="checkbox"/>	BTEC 1010	Intro to Biotechnology	3	F/SP	*MATH & *RDG 0990 w/ C or better or placement score
<input type="checkbox"/>	BTEC 1015	Intro to Biotechnology Lab	1	F/SP	*MATH & *RDG 0990 w/ C or better or placement score
<input type="checkbox"/>	BTEC 2010	Applied Molecular Biology	3	F/SP	*BTEC 1010, *BTEC 1015, & *BIOL 1610 w/ C or better
<input type="checkbox"/>	BTEC 2020	Biomolecular Sep and Analysis	3	F	*BTEC 2010 w/ C or better
<input type="checkbox"/>	BTEC 2030	Cell Culture	2	F/SP	*BTEC 2010 w/ C or better
<input type="checkbox"/>	BTEC 2040	Advanced Molecular Methods	3	SP	*BTEC 2010 w/ C or better
<input type="checkbox"/>	CHEM 1210	General Chemistry I	4	A	*Math 1050 w/ C or better
<input type="checkbox"/>	CHEM 1215	General Chemistry I Lab	1	A	Concurrent with CHEM 1210
<input type="checkbox"/>	CHEM 1220	General Chemistry II	4	A	*CHEM 1210
<input type="checkbox"/>	CHEM 1225	General Chemistry II Lab	1	A	Concurrent with CHEM 1220

Electives (Choose one of the following electives for 2-4 credits)

<input type="checkbox"/>	BTEC 1060	NucAcidProtBchm	2	SP	*BTEC 1010 and BIOL 1610
<input type="checkbox"/>	BTEC 1080	Biotechnology Experience	3	A	*BTEC 1010 and *BTEC 1015
<input type="checkbox"/>	BMAN 1180	Biomanufacturing Experience	4	F/SP	*BMAN 1110/1120
<input type="checkbox"/>	BMAN 1150	Bioman Quality Sys and Regs	3	F/SP	*BMAN 1110/1120
<input type="checkbox"/>	BMAN 2110	Good Manufacturing Practices	3	F/SP	BMAN 1150 and BMAN 1180 or instructor permission
<input type="checkbox"/>	BMAN 2120	Verification and Validation	2	F/SP	BMAN 1150 and BMAN 1180 or instructor permission



Bachelor of Science (B.S.) Degree in Biotechnology from UVU

2010/2011

TRANSFER RECOMMENDATIONS (28 Credits)

These lower division classes, beyond the AS degree, are required for the BS degree at Utah Valley University and can be **taken at SLCC**

<input type="checkbox"/>	MATH 2040	Statistics	4	F	*MATH 1050
<input type="checkbox"/>	BIOL 2060	Microbiology	4	A	*BIOL 1610, *BIOL 1615 w/ C or better
<input type="checkbox"/>	BIOL 2065	Microbiology Lab	0	A	Concurrent with BIOL 2060
<input type="checkbox"/>	CHEM 2310	Organic Chemistry I	4	A	*CHEM 1210, with CHEM 2315
<input type="checkbox"/>	CHEM 2315	Organic Chemistry Lab I	1	A	Concurrent with CHEM 2310
<input type="checkbox"/>	CHEM 2320	Organic Chemistry II	4	A	*CHEM 2310, with CHEM 2325
<input type="checkbox"/>	CHEM 2325	Organic Chemistry II Lab	1	A	Concurrent with CHEM 2320
<input type="checkbox"/>	PHYS 2010	College Physics I	4	A	*MATH 1060, with PHYS 2015
<input type="checkbox"/>	PHYS 2015	College Physics I Lab	1	A	Concurrent with PHYS 2010
<input type="checkbox"/>	PHYS 2020	College Physics II	4	A	*PHYS 2010, with PHYS 2025
<input type="checkbox"/>	PHYS 2025	College physics Lab II	1	A	Concurrent with PHYS 2020

UTAH VALLEY UNIVERSITY UPPER DIVISION REQUIREMENTS (40 Credits)

<input type="checkbox"/>	BIOL 3400	Cell Biology	3		BIOL 1610, CHEM 1220
<input type="checkbox"/>	BIOL 3405	Cell Biology Lab	1		BIOL 1610, CHEM 1220 with BIOL 3400
<input type="checkbox"/>	BIOL 3500	Genetics	3		BIOL 1610
<input type="checkbox"/>	BIOL 3505	Genetics Tutorial	0.5		Taken with BIOL 3500
<input type="checkbox"/>	BIOL 3515	Advanced Genetics Laboratory	1		BIOL 3500 (Taken as Pre – or Corequisite)
<input type="checkbox"/>	BIOL 3550	Molecular Biology	3		BIOL 1610, CHEM 1215
<input type="checkbox"/>	BIOL 3555	Experiments in Molecular Biology	1		With BIOL 3550
<input type="checkbox"/>	BIOL 3600	Biological Chemistry	3		CHEM 2320
<input type="checkbox"/>	BIOL 3605	Biochemistry Lab	1		With 3600
<input type="checkbox"/>	BIOL 4550	Molecular Evolution & Bioinformatics	3		BIOL 1610, BIOL 3500, 6 upper division BIOL credits
<input type="checkbox"/>	BTEC 481R	Biotechnology Internship (1.0)	5		BIOL 1610, Jr. Standing, Instructor approval
<input type="checkbox"/>	BTEC 481R	Biotechnology Internship (1.0) OR	5		BIOL 1610, Jr. Standing, Instructor approval
<input type="checkbox"/>	BIOL 489R	Student Research (1.0) AND			BIOL 1620, CHEM 1210, Jr. standing, Instructor approval

BIOL 499R Senior Thesis (1.0)

ENGL 2010, Jr. standing, Instructor approval

Elective Upper Division Credit

10

UTAH VALLEY UNIVERSITY GRADUATION REQUIREMENTS

- At least 30 credit hours in residence at UVU or satellite sites are required, with 10 hours earned during the last 45 hours.
- A minimum of 40 credits must be upper division (numbered 3000 or above).
- Complete core courses with a grade of “C-” or higher in each course
- Achieve a minimum overall GPA of 2.0 with a minimum GPA of 2.25 in core courses

*Indicates prerequisite courses that require a “C” or better.

