

**4 – Year Transfer plan for the Associate of Applied Science in Biotechnology at Lone Star College**

<http://www.lonestar.edu/biotechnology-aas.htm>

**First Year - Freshman**

First Semester				Second Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
EDUC 1300 (1)		Learning Frameworks: 1 <sup>st</sup> Year Exp.	3	BIOL 2421 (2)	BIOL 2420 (Lower Div. Elec.)	General Microbiology	4
BIOL 1414 (2)	BTEC 1311 or 1322 (Lower Div. Elective)	Introduction to Biotechnology	4	BITC 1402	BITC 1402 (4)	Biotech. Lab Methods and Technique	4
BIOL 1406	BIOL 1306/1106	Biology I for Science Majors	4	BITC 2350	BITC 2350 (4)	Bioinformatics	3
CHEM 1405 or CHEM 1411 (2)	CHEM 1311/1111 (Lower Div. Elective)	Intro to Chemistry or General Chemistry I	4	ENGL 1301	ENGL 1301	Composition and Rhetoric I	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>14</b>

**Summer Session**

MATH 1314	MATH 1314	College Algebra	3	BIOL 1407 (3)	BIOL 1307/1107	Biology II for Science Majors	4
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>4</b>

**Second Year - Sophomore**

First Semester				Second Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
BITC 1250	BITC 1250 (4)	Special Studies & Bioethical Issues of Biotechnology	2	BITC 1191	BITC 1191 (4)	Spec. Topics in Biological Technology	1
BITC 2411 or BITC 1491	BITC 2411 or BITC 1491 (4)	Biotech Lab Instrumentation or Introduction to Biomanufacturing	4	BITC 2431	BITC 2431 (4)	Cell Culture Techniques	4
BITC 2441	BITC 2441 (4)	Molecular Biology Techniques	4	BITC 2445	BITC 2445 (4)	Medical Biotechnology	4
ENGL 1302	ENGL 1302	Composition and Rhetoric II	3	Social/Behavioral Sciences (5)	(core 040)	Choose from LSC core curriculum Recommend: ANTH 2301 - Physical Anthropology	3
Creative Arts/ Language, Phil. & Culture (5)	(core 040)	Choose from LSC core curriculum Recommend: PHIL 2306- Introduction to Ethics	3				
<b>Total</b>			<b>16</b>	<b>Total</b>			<b>12</b>

**Summer Session**

BITC 2386	BITC 2386 (4)	Intern–Bio. Technology/Technician	3	COSC 1301 (3)	COSC 1301	Introduction to Computers	3
<b>Total</b>			<b>3</b>	<b>Total</b>			<b>3</b>

**Third Year – Junior**

First Semester				Second Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	SPCH 1315	Introduction to Public Speaking	3		HIST 1302	United States History II	3
	ENGL 3430	Professional Writing	3		PSCI 2306	Texas State and Local Government	3
	HIST 1301	United States History I	3		UD BIOL (6)	Upper division Biology course	3
	PSCI 2305	United States Government	3		UD BIOL (6)	Upper division Biology course	3
	UD BIOL (6)	Upper division Biology course	3		COMM 3325	Professional Speaking	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>

**Fourth Year - Senior**

First Semester				Second Semester			
LSC	University	Course Name	Hrs	LSC	University	Course Name	Hrs
	HUMA 4322	Ethics	3		COMM 4314	Intercultural Communications	3
	Elective	Upper division (3000/4000) course	3		Elective	Upper division (3000/4000) course	3
	Elective	Upper division (3000/4000) course	3		Elective	Upper division (3000/4000) course	3
	UD BIOL LAB (6)	Upper division Biology course	3		UD BIOL LAB (6)	Upper division Biology course	3
	UD BIOL (6)	Upper division Biology course	3		UD BIOL (6)	Upper division Biology course	3
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>15</b>

**Notes/Comments:**

- EDUC 1300 is required for all First Time in College (FTIC) students at Lone Star College. If not FTIC, take MATH 1314. All students must complete MATH 1314.
- BIOL 1414, CHEM 1405 and BIOL 2421 are required ONLY for the completion of the AAS at LSC - they are not required for completion of the BAAS at UHV but may transfer as lower division electives to complete 120 required credit hours.
- BIOL 1407 and COSC 1301 are NOT required for the completion of the AAS at LSC; these courses will meet requirements at UHV and are required for seamless transfer.
- Student may be awarded credit at UHV for 24 to 44 vocational or technical credits earned within an Associate of Applied Arts and Sciences program at LSC.
- PHIL 2306 and ANTH 2301 are course options to fulfill areas within the AAS core at LSC. Student is not required to take these specific courses; however, courses within the specified core areas are required for AAS completion. Students are strongly encouraged to consult with an advisor.
- Select (5) BIOL courses and (2) BIOL Labs from the following (2 courses must be upper level biology core courses): BIOL 4300, BIOL 4337, BIOL 3320 or BIOL 4313; BIOL 4325, BIOL 3326 or BIOL 4335, BIOL 3330 or BIOL 4333; Lab courses: Cell & Molecular, Biochemistry, Plant Biology, or Histology.

## Articulation Agreement Information – Standard and Program to Program (P2P)

### Transfer of Credit & Student Benefits

- Application fees will be waived for LSC students and employees
- LSC students and employees can apply for all applicable scholarship programs
- LSC students and employees admitted to UHV will be allowed access to academic advising services at UHV
- LSC Honors students admitted to UHV will receive:
  - Acceptance to UHV Honors College with a minimum GPA of 3.5 and satisfaction of other Honors College admission criteria such as letter of application to the Honors Program
  - UHV will accept a minimum of 12 hours of transfer Honors credits
  - Honors transfer students will be eligible for merit and need-based aid commensurate with qualifications.
- Reverse Transfer

### Optional Partnership

- Joint Admission provides students the opportunity to maximize utilization of facilities and programs offered jointly by LSC and UHV:
  - Student ID at LSC and UHV
  - Student computer/internet account, access to computer labs, access to libraries and access to student employment opportunities at LSC and UHV
  - Student access to sporting events at UHV
  - Free electronic transfer transcript transmission/evaluation
- Cooperative Advising allows students to access advisors at both institutions for students who are:
  - Admitted (either through regular or joint admissions) at UHV
  - All LSC students with an expressed interest in transferring to UHV
  - Advising for all degree programs at UHV

### **Standard Agreement & P2P Agreement**

**Associate of Applied Science in Biotechnology to  
Bachelor of Applied Arts & Sciences with  
Concentration in Biotechnology**

### Program Admission Requirements

- Student must have a cumulative 2.0 GPA;
- UHV will accept a "D" in courses taken at LSC, but student must ensure cumulative GPA is a 2.0 .
- If a student retakes a course, UHV will use the most recent grade attempted toward cumulative GPA calculation.

### Program Specific Requirements

- Student is encouraged to complete an Associate of Applied Science degree at Lone Star College.
- The BAAS at UHV is a 120 credit hour degree program. UHV will accept 24-44 hours (varies by concentration) of the occupational/technical courses, regardless of the required number of credit hours of occupational/technical courses for completion of the AAS degree.
- Many of the BAAS concentrations are taught online and face-to-face at UHV-Katy Campus. For more information regarding the different concentrations, please visit [UHV's BAAS website](#).
- Contact Ms. Candace Boyd at 361-570-4113 or [boydcd@uhv.edu](mailto:boydcd@uhv.edu) for more information.

**For more information, contact the University of Houston -Victoria**  
[katyrecruitment@uhv.edu](mailto:katyrecruitment@uhv.edu)  
[www.uhv.edu/katy](http://www.uhv.edu/katy)  
281-396-3700