

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 st 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 |
| Total | | | 15 | Total | | | 14 |

Summer Session

| | | | | | | | |
|--------------|-----------|-----------------|----------|---------------|----------------|-------------------------------|----------|
| MATH 1314 | MATH 1314 | College Algebra | 3 | BIOL 1407 (3) | BIOL 1307/1107 | Biology II for Science Majors | 4 |
| Total | | | 3 | Total | | | 4 |

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 | | | | |
| Creative Arts/ Language, Phil. & Culture (5) | (core 040) | Choose from LSC core curriculum Recommend: PHIL 2306- Introduction to Ethics | 3 | Social/Behavioral Sciences (5) | (core 040) | Choose from LSC core curriculum Recommend: ANTH 2301 - Physical Anthropology | 3 |
| Total | | | 16 | Total | | | 12 |

Summer Session

| | | | | | | | |
|--------------|---------------|-----------------------------------|----------|---------------|-----------|---------------------------|----------|
| BITC 2386 | BITC 2386 (4) | Intern–Bio. Technology/Technician | 3 | COSC 1301 (3) | COSC 1301 | Introduction to Computers | 3 |
| Total | | | 3 | Total | | | 3 |

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 |
| Total | | | 15 | Total | | | 15 |

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 |
| Total | | | 15 | Total | | | 15 |

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.

Approved: July 16, 2018

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 for more information.