

The two programs listed below were identified by the THECB as low productivity programs. The College of Natural Sciences and Mathematics has elected to cancel the following degree programs:

- I. Bachelor of Interdisciplinary Sciences Degree Program (BISC)
- II. Medical Technology

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Please remove the following language from the undergraduate catalog, along with any associated references to these programs in different parts of the catalog.

## I.

# Interdisciplinary Sciences Major Bachelor of Interdisciplinary Sciences

Academic advising for students pursuing the BISC degree is provided by the Office of the Dean. The general requirements for a baccalaureate program shall apply. In addition to the general requirements, the student must complete the following:

1. Completion of a major (24 to 48 hours) including at least 18 advanced hours with no more than six hours with grades lower than C- (over all courses attempted, including both required and elective courses in the major). Students must earn a minimum 2.00 grade point average in all courses (either required or elective) attempted in the major at the university.  
Should a student select Option 2, an aggregate 2.00 major GPA for both option areas is required for graduation, with no more than six semester hours with grades below C- (over all courses attempted in both options, including both required and elective courses).
2. Natural Sciences: (32-35 hours of approved natural sciences with a laboratory, including four of the five listed sequences, which may include courses applied toward the major fields):
  - o BIOL 1161, 1162, 1361, 1362
  - o CHEM 1111, 1112, 1331, 1332
  - o GEOL 1130, 1176, 1330, 1376
  - o MATH 1431, 1432
  - o PHYS 1321, 1121, 1322, 1122,  
or 1101, 1102, 1301, 1302
3. Computer Science: COSC 1301 or 1410

A major in the BISC degree is defined as either a single selection from Option 1 list (see below) or the selection of a pair from the Option 2 list (see below).

Option 1: A minimum of 36 semester hours with 21 advanced hours is required.

Requirements	Hours
Biology <u>1161, 1162, 1361, 1362, 3311, 3301 and 3306</u>	17
Twenty additional approved semester hours in biology (13 hours must be advanced)	20
Mathematics <u>1431, 1432, 2331, 2433, 3330, 3331 and 3333</u>	24
Twelve additional approved advanced semester hours in mathematics with at least three hours at the 4000-level. Special problems courses are not allowed.	12
Physics <u>1321, 1121, 1322, 1122, 3310, 3312, 3315, 3112,</u> and two semesters of <u>3113</u>	20

Sixteen additional approved advanced hours in physics	16
Physical Science: <u>CHEM 1111, 1112, 1331, 1332, 2133, 2233, 3221 and 3331</u>	16
Six additional approved advanced semester hours in chemistry	6
<u>PHYS 1321, 1121, 1322, 1122 and 3315</u>	11
Ten additional approved advanced hours in physics	10

Option 2: At least 24 hours (12 advanced) are required in each of two fields.

<b>Requirements</b>	<b>Hours</b>
Biology <u>1161, 1162, 1361, 1362, 3311 and 3301</u>	14
Eleven additional approved hours in biology (eight advanced)	11
Chemistry <u>1111, 1112, 1331, 1332, 3221, 3222, 3331, 3332, 4370 or 4373</u>	21
Three additional approved advanced hours in chemistry	3
Life Science: <u>BIOL 1161/1361 and 1162/1362</u>	8
Earth Science <u>GEOL 1130, 1176, 1330 and 1376</u>	8
Three additional semester hours from <u>GEOL 3377, 3378, PHYS 1305, 1306</u>	3
Thirteen additional approved hours in geology (12 advanced)	13
Mathematics <u>1431, 1432, 2331, 2433, 3330, 3333 and 3331</u>	24
Three additional approved advanced hours. Special problems courses are not allowed.	3
Physics <u>1321, 1121, 1322, 1122, 3310, 3312, 3315, 3112</u> , and two semesters of <u>3113</u>	20
Six additional approved advanced hours in physics	6

## **II.**

### **Medical Technology**

Students who wish to specialize in medical technology will be eligible to receive a Bachelor of Science degree with a major in biology when they satisfactorily complete the following program and the courses in medical technology offered by a hospital approved by the Council on Medical Education and Hospitals of the American Medical Association in collaboration with the Board of Schools of Medical Technology. Before enrolling in the hospital portion of the training program, transfer students must complete at least the last 30 semester hours, including 16 semester hours in biochemical and biophysical sciences, biology, chemistry, or physics at the University of Houston.

## Requirements

<b>Courses</b>	<b>Hours</b>
<b>Biology:</b> <u>BIOL 1161/1361, 1162/1362, 2133, 2333, 4272, 4373</u> or <u>4374, 4323, 3124, 3324</u>	24
<b>Biochemical and Biophysical sciences:</b> <u>BCHS 3201 , 3304</u>	5
<b>Chemistry:</b> <u>CHEM 1331, 1111, 1332, 1112, 3331, 3221, 3332, 3369, 3119</u>	22
<b>Mathematics:</b> <u>MATH 1330, 1431</u>	7
3-4 hours approved course	3-4
<b>Physics:</b> <u>PHYS 1301, 1101, 1302, 1102</u>	8

### **Medical Technology Degree Plan First Year**

#### Requirements

<b>Fall and Spring Semesters</b>	<b>Hours</b>
<u>BIOL 1361/1161</u> and <u>1362/1162</u> . Introduction to Biological Science and Laboratory	8
<u>CHEM 1331</u> and <u>1111</u> . Fundamentals of Chemistry and Fundamentals of Chemistry Laboratory	4
<u>CHEM 1332</u> and <u>1112</u> . Fundamentals of Chemistry and Fundamentals of Chemistry Laboratory	4
<u>ENGL 1303</u> . Freshman Composition I	3
<u>ENGL 1304</u> . Freshman Composition II	3
<u>MATH 1330</u> . Precalculus	3
<u>MATH 1431</u> . Calculus I	4
Social Sciences Core Course	3
<b>Total</b>	<b>32</b>

## Requirements

<b>Summer Session</b>	<b>Hours</b>
<u>HIST 1377</u> . The United States to 1877 or equivalent	3
<u>HIST 1378</u> . The United States Since 1877 or equivalent	3
<b>Total</b>	<b>6</b>

## Second Year

### Requirements

<b>Fall and Spring Semesters</b>	<b>Hours</b>
<u>BIOL 2333</u> and <u>2133</u> . Elementary Microbiology and Elementary Microbiology Laboratory	4
<u>BCHS 3201</u> and <u>3304</u> . Biochemistry Laboratory and General Biochemistry I	5
<u>CHEM 3331</u> and <u>3221</u> . Fundamentals of Organic Chemistry and Fundamentals of Organic Chemistry Laboratory	5
<u>CHEM 3332</u> and <u>3222</u> . Fundamentals of Organic Chemistry and Fundamentals of Organic Chemistry Laboratory	5
<u>PHYS 1301</u> and <u>1101</u> . Introductory General Physics and General Physics Laboratory I	4
<u>PHYS 1302</u> and <u>1102</u> . Introductory General Physics and General Physics Laboratory II	4
Humanities Core Course	3
<b>Total</b>	<b>30</b>

### Requirements

<b>Summer Session</b>	<b>Hours</b>
<u>POLS 1336</u> . U.S. and Texas Constitutions and Politics or equivalent	3
<u>POLS 1337</u> . U.S. Government: Congress, President and Courts or equivalent	3
<b>Total</b>	<b>6</b>

### **Third Year**

#### Requirements

<b>Fall and Spring Semesters</b>	<b>Hours</b>
<u>BIOL 4272</u> . Cellular Biology Laboratory	2
<u>BIOL 4373</u> or <u>4374</u> . Microbial Physiology or Cell Biology	3
<u>BIOL 4323</u> . Immunology	3
<u>BIOL 3324</u> and <u>3124</u> . Human Physiology and Human Physiology Laboratory	4
<u>CHEM 3369</u> and <u>3119</u> . Analytical Chemistry and Analytical Chemistry Laboratory	4
NSM Capstone Courses	6
Visual/Performing Arts Core Course	3
Formal Science Course	3-4
Writing in the Discipline Core Course	3
<b>Total</b>	<b>31-32</b>

Additional recommended courses include BIOL 3311, 3301, and 4320, and BCHS 3305. These courses may not be substituted for any of those listed for the first three years.

## Memorandum

To: Jeannette Morales

From: Ian Evans

Subject: Catalog changes for the 2011 - 2012 catalog

Date: 6 October 2010

The NS&M Curriculum Committee has approved the following catalog changes:

- I. Degree program deletion (BISC and BioMedTech degree)
- II. Exclusionary language for 24 courses via memo