The Animal Science option includes coursework in animal nutrition, anatomy and physiology, behavior, and disease in both large and small animals. Students will emphasize in one or more of these areas. Students in this option seek employment in animal/biotechnology facilities or continue their studies at the graduate level.

Career Options: Careers in animal sciences are numerous. Graduates typically find employment in zoos, aquariums, pharmaceutical companies, pet food companies, federal, state, and local opportunities dealing with disease control and public health, and in teaching and research or as veterinary technicians.

Transfer out of UC: Must have completed at least 24 credits, minimum GPA of 2.00, and received permission from the UC major advisor.

The following is an example of the typical course schedule for the first 4 semesters for a student majoring in Animal Science. These are recommended course selections for AVS majors in University College; there will be variation based on course availability and schedule restraints. Some classes are not offered every semester. It is important to plan ahead and consult with your advisor to allow yourself time to enroll in the classes you wish to take.

<table>
<thead>
<tr>
<th>Semester I (Fall)</th>
<th>Semester II (Spring)</th>
</tr>
</thead>
<tbody>
<tr>
<td>URI 101 Freshman at URI</td>
<td>AVS 110 AVS Freshman Seminar 1</td>
</tr>
<tr>
<td>AVS 101 Intro. to Animal Science</td>
<td>MTH Appropriate Placement 3</td>
</tr>
<tr>
<td>AVS 102 Intro. to Animal Science Lab</td>
<td>WRT 104 Composition 3</td>
</tr>
<tr>
<td>BIO 101 Principles of Biology 1</td>
<td>BIO 101 Principles of Biology 1 3</td>
</tr>
<tr>
<td>BIO 103 Principles of Biology 1 Lab</td>
<td>BIO 103 Principles of Biology 1 Lab 1</td>
</tr>
<tr>
<td>MTH Appropriate Placement</td>
<td>AVS Concentration. 3</td>
</tr>
<tr>
<td>COM 100 Oral Communications</td>
<td>AVS Supporting Elective 3</td>
</tr>
<tr>
<td>Total credits: 15</td>
<td>Total credits: 17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester III (Fall)</th>
<th>Semester IV (Spring)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVS Concentration 3</td>
<td>AVS Supporting Elective 3</td>
</tr>
<tr>
<td>AVS Supporting Elective 3</td>
<td>AVS Concentration 3</td>
</tr>
<tr>
<td>CHM 101 Chemistry I</td>
<td>CHM 112 Chemistry II 3</td>
</tr>
<tr>
<td>CHM 102 Chemistry I Lab</td>
<td>CHM 114 Chemistry II Lab 1</td>
</tr>
<tr>
<td>General Ed. (Cat. S, A, L, or F) 6</td>
<td>General Ed. (Cat. S, A, L, or F) 6</td>
</tr>
<tr>
<td>Total credits: 16</td>
<td>Total credits: 16</td>
</tr>
</tbody>
</table>
PROGRAM: Animal Science & Technology
OPTION: Animal Science

Intro. Prof. Courses (4-5 credits)
AVS 101 (3) _______
AVS 102 (1) _______
AVS 110 (1) _______

Concentration (25)*
AVS 323 (3) _______ AVS 412 (3) _______
AVS 324 (3) _______ AVS 472 (3) _______
AVS 331 (3) _______ ________________( )
AVS 332 (3) _______ ________________( )
AVS 333 (1) _______ ________________( )

*AVS GPA (minimum 2.0 required) _______

Supporting Electives (21-27)**
AVS 212 (3) _______ ________________( )
AVS 275 (4) _______ ________________( )
______________( ) ________________( )
______________( ) ________________( )
______________( ) ________________( )
______________( ) ________________( )

**Maximum 9 credits in AVS 399, 491, 492, RDE 486

Basic Required Science (24-29)
AVS 420 (3) _____ or BIO 352 (4) _______
BIO 103 (1) _____ and BIO 104 (1) _______
CHM 101 (3) _____ and CHM 102 (1) _______
CHM 112 (3) _____ and CHM 114 (1) _______
CHM 124 (3) _____ and CHM 126 (1) _____ OR
CHM 226 (2) ___ CHM 227 (3) ___ CHM 228 (3)___
MIC 201 (4) _______ or MIC 211 (4) _______
STA 307 (3) _______ or STA 308 (4) _______

General Education (36)
C: COM 100 (3) ______ CW: WRT ______(3)
M: MTH 131 (3) ______
N: BIO 101 (3) _____ and BIO 102 ______(3)
S: ________________(3) ______________(3)
L: ________________(3) ______________(3)
A: ________________(3) ______________(3)
F: ________________(3) ______________(3)
(15 credits in L, A, and F)

Free Electives (4)
URI 101 (1) _______ ________________( )
______________( ) ________________( )

Revised 9/15

Advising comments: Student ________________________________
Advisor ________________________________
Supporting Electives and Approved Basic Sciences:

Any course taught in CELS or the College of Business, or with the prefix:

APG (Anthropology)
CHM (Chemistry)
CSC (Computer Science)
ECN/EEC (Economics)
MTH (Math)
PHY (Physics)
STA (Statistics)

Concentration (300 level or above)
Six classes must be in AVS

List of AVS courses for all options:

- AVS 101 Introduction to Animal Science
- AVS 102 Introduction to Animal Science Lab
- AVS 110 Freshman Seminar in AVS
- AVS 132 Animal Agriculture, Food Policy, and Society
- AVS 201 Companion Animal Management
- AVS 212 Feeds and Feeding
- AVS 301302 Junior/Senior Seminar in AVS
- AVS 104 Animal Management Techniques
- AVS 323 Animal Management I (Ruminants)
- AVS 324 Animal Management II (Monogastrics)
- AVS 325 Animal Management III (Exotics)
- AVS 331/333 Anatomy & Physiology (Lect. & Lab)
- AVS 332 Animal Diseases
- AVS 340 Veterinary Pharmacology
- AVS 343 Behavior of Domestic Animals
- AVS 372 Introductory Endocrinology
- AVS 390 Wildlife and Human Disease
- AVS 399 (RDE 486) Internship in AVS
- AVS 412 Animal Nutrition
- AVS 420 Animal Genetics and Breeding
- AVS 440 Seminar on Marine Mammals
- AVS 462 Laboratory Animal Techniques
- AVS 472/473 Physiology of Reproduction (Lect. & Lab)
- AVS 491/492 Special Projects

List of courses for AVS options:

Pre Vet/Graduate/Animal Science

- BIO 101 Principles of Biology I
- BIO 102 Principles of Biology II
- BIO 341 Principles of Cell Biology
- BIO 352 General Genetics
- BIO 437 Fund. of Molecular Bio
- BCH 311 Introd. Biochemistry
- CHM 101 General Chemistry I
- CHM 102 Gen. Chem. Lab I
- CHM 112 General Chemistry II
- CHM 114 Gen. Chem. Lab II
- CHM 226 Organic Chem Lab
- CHM 227 Organic Chemistry I
- CHM 228 Organic Chemistry II
- ECN 100 Intro to Economics
- MIC 201 Intro Medical Micro or
- MIC 211 Intro. Microbiology
- MTH 131 Calculus I
- PHY 111 General Physics I
- PHY 112 General Physics II
- PHY 185 General Physics Lab I
- PHY 186 General Physics Lab II
- STA 307 Introd. Biostatistics or
- STA 308 Introductory Statistics or
- STA 409 Stat. Meth. in Research
- WRT 333 Scientific Writing

Animal Management

CHM 103 Introductory Chemistry
CHM 105 Introductory Chem Lab
CHM 124 Intro. To Organic Chem
CHM 126 Intro to Org. Chem Lab