

Summer 2025 BIMS Directed Electives

By Department

Animal Science

- **ANSC 107: General Animal Science** | Credits: 3 credit hours | Lab Requirement: No lab required | Class Specification: No restrictions | Availability: Fall, Spring, Summer | Prerequisites: None
- **ANSC 108: General Animal Science Laboratory** | Credits: 1 credit hours | Lab Requirement: 2 Lab Hours | Class Specification: No restrictions | Availability: Fall, Spring, Summer | Prerequisites: Concurrent enrollment in ANSC 107
- **ANSC 318: Animal Feeds and Feeding** | Credits: 3 credit hours | Lab Requirement: No lab required | Class Specification: U3 | Availability: Fall, Spring, Summer | Prerequisites: Grade of C or better in ANSC 111, ANSC 113, and ANSC 303; junior classification or approval of instructor

Biochemistry

- **BICH 411: Comprehensive Biochemistry II** | Credits: 3 credit hours | Lab Requirement: 1 Lab Hour | Class Specification: None | Availability: Fall/Spring/Summer | Prerequisites: Grade of C or better in BICH 410;
- **BICH 412: Biochemistry Laboratory I** | Credits: 1 credit hour | Lab Requirement: 3 Lab Hours | Class Specification: None | Availability: Fall/Spring/Summer | Prerequisites: BICH 410 or registration therein.
- **BICH 432/GENE 432 Laboratory in Molecular Genetics** | Credits: 2 credit hours | Lab Requirement: 6 Lab Hours | Class Specification: None | Availability: Fall, Spring | Prerequisites: GENE 301, GENE 302, GENE 303, BIMS 320/GENE 320 or GENE 320/BIMS 320; BICH 431/GENE 431 or GENE 431/BICH 431. Cross-listed with GENE 432/BICH 432.

Biomedical Sciences

- **BIMS 291: Research** | Credits: 1 to 4 credit hours | Lab Requirement: Varies | Class Specification: U1/U2 | Availability: Fall, Spring, Summer | Prerequisites: Approval form required before registration
- **BIMS 484: Biomedical Science Field Experience** | Credits: 2 credit hours | Lab Requirement: No lab required | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Approval form required before registration

- **BIMS 485: Directed Studies** | Credits: 1 to 4 credit hours | Lab Requirement: Varies | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Approval form required before registration
- **BIMS 491: Research** | Credits: 1 to 4 credit hours | Lab Requirement: Varies | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Grade of C or better in CHEM 228 or CHEM 258; grade of C or better in PHYS 202; junior or senior classification; Approval form required before registration

Biology

- **BIOL 213: Molecular Cell Biology** | Credits: 3 credit hours | Lab Requirement: No lab required | Class Specification: U1/U2 | Availability: Fall, Spring, Summer | Prerequisites: : BIOL 112 and CHEM 120 (MUST contact BIOL department for any necessary override)

Entomology

- **ENTO 210: Global Public Health Entomology** | Credits: 3 credit hours | Lab Requirement: No lab required | Class Specification: U1/U2 | Availability: Fall, Spring, Summer | Prerequisites: None

Health

- **HLTH 354: Medical Terminology for the Health Professions** | Credits: 3 credit hours | Lab Requirement: No lab required | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Junior or senior classification. Cross-listed with PHLT 354.

Nutrition

- **NUTR 202: Fundamentals of Human Nutrition** | Credits: 3 credit hours | Lab Requirement: No lab required | Class Specification: U1/U2 | Availability: Fall, Spring, Summer | Prerequisites: None.

Urban Planning

- **URPN 370: Health Systems Planning** | Credits: 3 credit hours | Lab Requirement: No lab required | Class Specification: No restrictions | Availability: Fall, Spring, Summer | Prerequisites: None.

Veterinary Integrative Bioscience

- **VIBS 285 Directed Studies** | Credits: 0 to 4 credit hours | Lab Requirement: Varies on section | Class Specification: U2 | Availability: Fall, Spring | Prerequisites: Freshman or sophomore classification and approval of department head. Forms on our website here: <https://vetmed.tamu.edu/bims/advising/advising-forms/>
- **VIBS 310: Biomedical Writing** | Credits: 1 credit hour | Lab Requirement: None | Class Specification: U3/U4 | Availability: Spring, Fall | Prerequisites: Grade of C or better in BIOL 112, CHEM 228, PHYS 202 and MATH 142 or 151; junior or senior classification.
- **VIBS 311: Biomedical Explorations through Narrative** | Credits: 1 credit hour | Lab Requirement: None | Class Specification: U3/U4 | Availability: Fall, Spring | Prerequisites: Grade of C or better in BIOL 112, CHEM 228, PHYS 202 and MATH 142 or 151; junior or senior classification.
- **VIBS 485 Directed Studies** | Credits: 0 to 4 credit hours | Lab Requirement: Varies on section | Class Specification: U3/U4 | Availability: Fall, Spring | Prerequisites: Junior or senior classification and approval of instructor.. Forms on our website here: <https://vetmed.tamu.edu/bims/advising/advising-forms/>

Veterinary Large Animal Clinical Science

- **VLCS 485: Directed Studies** | Credits: 1 to 4 credit hours | Lab Requirement: None | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Approval form required before registration. Forms found on our website here: <https://vetmed.tamu.edu/bims/advising/advising-forms/>

Veterinary Small Animal Clinical Science

- **VSCS 485: Directed Studies** | Credits: Variable (1 to 4 credit hours) | Lab Requirement: None | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Approval form required before registration. Forms found on our website here: <https://vetmed.tamu.edu/bims/advising/advising-forms/>

Veterinary Pathobiology

- **VTPB 485: Directed Studies** | Credits: Variable (1 to 4 credit hours) | Lab Requirement: None | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Approval of department head; junior or senior classification. Forms found on our website here:
<https://vetmed.tamu.edu/bims/advising/advising-forms/>

Veterinary Physiology and Pharmacology

- **VTPP 285: Directed Studies** | Credits: 0-4 credit hours. | Lab Requirement: Varies by section | Class Specification: U1/U2 | Availability: TBD | Prerequisites: None. Forms found on our website here:
<https://vetmed.tamu.edu/bims/advising/advising-forms/>
- **VTPP 291: Research** | Credits: 0-4 credit hours. | Lab Requirement: Varies by section | Class Specification: U1/U2 | Availability: TBD | Prerequisites: None
- **VTPP 427: Applied Biomedical Physiology** | Credits: 3 credit hours | Lab Requirement: None | Class Specification: U3/U4 | Availability: Fall, Spring | Prerequisites: VTPP 423 or grade of D or better in BIOL 320; junior or senior classification.
- **VTPP 444: Practicum in Biomedical Research** | Credits: 3 credit hours | Lab Requirement: None | Class Specification: U3/U4 | Availability: Spring | Prerequisites: VTPP 223 and VTPP 224, or VTPP 234 and VTPP 235, or VTPP 232 and VTPP 233, or VTPP 207 and VTPP 208; junior or senior classification; instructor approval.
- **VTPP 485: Directed Studies** | Credits: 1 to 4 credit hours | Lab Requirement: None | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Approval form required before registration. Forms found on our website here: <https://vetmed.tamu.edu/bims/advising/advising-forms/>
- **VTPP 491 Research** | Credits: 1 to 4 credit hours | Lab Requirement: None | Class Specification: U3/U4 | Availability: Fall, Spring, Summer | Prerequisites: Approval form required before registration. Forms found on our website here:
<https://vetmed.tamu.edu/bims/advising/advising-forms/>