

Requirements for all Six Concentrations in ENTM

All ENTM majors must take these core requirements.

1. Lower-division core requirements (40 units)

- a) BIOL 005A, BIOL 05LA or BIOL 020, BIOL 005B, BIOL 005C
- b) MATH 007A or MATH 009A, MATH 007B or MATH 009B
- c) CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC
- d) STAT 010

2. Upper-division core requirements (18 units)

- a) ENTM 100/BIOL 100, ENTM 107, ENTM 180, and 4 units in any combination of ENTM 190, ENTM 197, ENTM 199, or ENTM 199H
- b) BIOL 102

General Insect Biology Concentration

1. Lower-division requirements (23 units)

- a) CHEM 008A or CHEM 08HA, CHEM 08LA or CHEM 08HLA, CHEM 008B or CHEM 08HB, CHEM 08LB or CHEM 08HLB
- b) PHYS 002A, PHYS 002B, PHYS 002C, PHYS 02LA, PHYS 02LB, PHYS 02LC

2. Upper-division requirements (28 units)

- a) ENTM 173/BIOL 173
- b) BIOL 107A
- c) BCH 100 or BCH 100H
- d) Sixteen (16) additional units of entomology electives, which may include up to 2 additional units of ENTM 190, ENTM 197, ENTM 199 or ENTM 199H.

Medical, Public Health & Epidemiology Concentration

1. Lower-division requirements (23 units)

- a) CHEM 008A or CHEM 08HA, CHEM 08LA or CHEM 08HLA, CHEM 008B or CHEM 08HB, CHEM 08LB or CHEM 08HLB
- b) PHYS 002A, PHYS 002B, PHYS 002C, PHYS 02LA, PHYS 02LB, PHYS 02LC

2. Upper-division requirements (28 units)

- a) ENTM 173/BIOL 173

b) BIOL 107A

c) BCH 100 or BCH 100H

d) Sixteen (16) additional units of Entomology electives from the following courses: ENTM 101, ENTM 111, ENTM 114, ENTM 123, ENTM 125/ENTX 125/PLPA 125, ENTM 126, ENTM 133, ENTM 154/BIOL 154, BIOL 128, BIOL 157, BIOL 158; which may include up to 2 additional units of ENTM 190, ENTM 197, ENTM 199 or ENTM 199H.

Insect Molecular Biology & Genomics Concentration

1. Lower-division requirements (27 units)

a) CHEM 008A or CHEM 08HA, CHEM 08LA or CHEM 08HLA, CHEM 008B or CHEM 08HB, CHEM 08LB or CHEM 08HLB

b) PHYS 002A, PHYS 002B, PHYS 002C, PHYS 02LA, PHYS 02LB, PHYS 02LC

2. Upper-division requirements (28 units)

a) ENTM 173/BIOL 173

b) BIOL 107A

c) BCH 100 or BCH 100H

d) Sixteen (16) additional units of Entomology electives from the following courses: ENTM 101, ENTM 106, ENTM 111, ENTM 112/BIOL 112/BPSC 112, ENTM 123, ENTM 125/ENTX 125/PLPA 125, ENTM 126, BIOL 118, BIOL 121, BIOL 128, GNB 110, GNB 114; which may include up to two (2) additional units of ENTM 190, ENTM 197, ENTM 199 or ENTM 199H..

Conservation, Ecology & Evolution Concentration

1. Lower-division requirements (26-27 units)

a) CHEM 008A or CHEM 08HA, CHEM 08LA or CHEM 08HLA, CHEM 008B or CHEM 08HB, CHEM 08LB or CHEM 08HLB

b) PHYS 002A and PHYS 02LA, and either PHYS 002B and PHYS 02LA or PHYS 008

2. Upper-division requirements (24 units)

a) ENTM 173/BIOL 173

b) BCH 100 or BCH 100H

c) Sixteen (16) additional units of Entomology electives from the following courses: ENTM 106, ENTM 112/BIOL 112/ BPSC 112, ENTM 114, ENTM 123, ENTM 124, ENTM 125/ENTX 125/PLPA 125, ENTM 126, ENTM 128, ENTM 129, ENTM 130, ENTM 133; which may include up to two (2) additional units of ENTM 190, ENTM 197, ENTM 199 or ENTM 199H.

Applied Entomology/Pest Management Concentration

1. Lower-division requirements (26-27 units)

a) CHEM 008A or CHEM 08HA, CHEM 08LA or CHEM 08HLA, CHEM 008B or CHEM 08HB, CHEM 08LB or CHEM 08HLB

b) PHYS 002A and PHYS 02LA, and either PHYS 002B and PHYS 02LA or PHYS 008

2. Upper-division requirements (24 units)

a) ENTM 173/BIOL 173

b) BCH 100 or BCH 100H

c) Sixteen (16) additional units of Entomology electives from the following courses: ENTM 106, ENTM 112/BIOL 112/BPSC 112, ENTM 114, ENTM 123, ENTM 124, ENTM 125/ENTX 125/PLPA 125, ENTM 126, ENTM 128, ENTM 129, ENTM 130, ENTM 133; which may include up to two (2) additional units of ENTM 190, ENTM 197, ENTM 199 or ENTM 199H.

Science Education Concentration

Students must consult with their Entomology advisor before electing this option.

1. Lower-division requirements (4-5 units)

a) One of PHYS 008 or PHYS 010 or PHYS 002A and PHYS 002 LA

2. Upper-division requirements (28 units)

a) EDUC 132, EDUC 147, EDUC 178, EDUC 179A

b) Sixteen (16) additional units of entomology electives, which may include up to 2 additional units of ENTM 190, ENTM 197, ENTM 199 or ENTM 199H.

For lower-division students interested in pursuing the Science Education Concentration in Entomology, EDUC 001 is recommended.

Upper division courses in BIOL, BPSC, and related programs including but not limited to BIOL 151 and BPSC 133 are suggested to acquire a background in the life sciences appropriate for an Entomology major.