MICROBIOLOGY

COLLEGE : ARTS AND SCIENCES
SCHOOL : NONE
DEGREE : BACHELOR OF SCIENCE
OPTION/TRACK : NONE

LIMITED ACCESS PROGRAM : NO

CAMPUS(ES) WHERE OFFERED/CONTACT:
TAMPA only / Coordinator of Advising, Arts and Sciences, (813) 974-2503

PROGRAM OF STUDY AT THE COMMUNITY COLLEGE

• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF
(State Mandated Common Prerequisites)

Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- BSC 1010/1010L Introduction to Biology I-Cellular Processes (with lab)
  Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012

- BSC 1011/1011L Introduction to Biology II-Diversity (with lab)
  Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

- CHM 1045/1045L General Chemistry I (with lab)
- CHM 1046/1046L General Chemistry II (with lab)

- CHM 2210/2210L Organic Chemistry I (with lab)
  Acceptable substitutes: PHY 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent

- CHM 2211/2211L Organic Chemistry II (with lab)
  Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, or equivalent

- MAC X311 Calculus I
  Acceptable substitutes: MAC 2233, MAC 2253, MAC X281

• Admission Requirements to the University Program of Study

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

• Requirements for the Microbiology B.S. Major

Department of Biology Courses - minimum 42 credit hours

- BSC 2010 Biology I - Cellular Processes (3)
- BSC 2010L Cellular Processes Laboratory (1)
- BSC 2011 Biology II - Diversity (3)
- BSC 2011L Diversity Laboratory (1)
- MCB 3030 General Microbiology (4)
- MCB 4115 Determinative Bacteriology (5)
- MCB 4404 Microbial Physiology and Genetics (4)
- MCB 4404L Microbial Physiology and Genetics Laboratory (1)
- PCB 3023 Cell Biology (3)
- PCB 3023L Cell Biology Laboratory (1)
- PCB 3043 Principles of Ecology (3)
- PCB 3063 General Genetics (3)

Ten (10) hours from the following list:

- BCH 3023L Basic Biochemistry Laboratory (2)
- BOT 4434 Mycology (3)
- MCB 4502 Virology (3)
- MCB 4910 Microbiology Undergraduate Research (1-4)
- MCB 4934 Seminar in Microbiology (1)
- MCB 5206 Public Health and Pathogenic Microbiology (3)
- MCB 5815 Medical Mycology (3)
- PCB 5235 Principles of Immunology (3)
- ZOO 5235 Parasitology (3)

A maximum of four (4) credit hours of Undergraduate Research (MCB 4910) or Biology Honors Thesis (BSC 4970) may be applied.

Supporting Courses in the Natural Sciences - minimum 37 credit hours

- CHM 2045 General Chemistry I (3)
- CHM 2045L General Chemistry I Laboratory (1)
- CHM 2046 General Chemistry II (3)
- CHM 2046L General Chemistry II Laboratory (1)
- CHM 2210 Organic Chemistry I (3)
- CHM 2210L Organic Chemistry I Laboratory (2)
- CHM 2211 Organic Chemistry II (3)
- CHM 2211L Organic Chemistry II Laboratory (2)
- MAC 2233 Elementary Calculus I (3)
- MAC 2234 Elementary Calculus II (3)
- or
- MAC 2281 Engineering Calculus I (3)
- MAC 2282 Engineering Calculus II (3)
- or
- MAC 2311 Calculus I (3)
- MAC 2312 Calculus II (3)

Continued
or
MAC 2233 Elementary Calculus I (3)
STA 2023 Introductory Statistics I (4)

PHY 2048 General Physics (3)
PHY 2048L General Physics Laboratory (3)
PHY 2049 General Physics (3)
PHY 2049L General Physics Laboratory (3)

or
PHY 2053 General Physics (3)
PHY 2053L General Physics Laboratory (3)
PHY 2054 General Physics (3)
PHY 2054L General Physics Laboratory (3)

BCH 3023 Introductory Biochemistry (3)

Liberal Arts Courses - minimum 45 credit hours

Free Elective Courses needed to complete 120 credit hours.