



Life Sciences Program

Course Progression 2018-2019



YEAR 1

Fall
(17)

Spring
(17)

Calculus I
MAT 105 (3)

Calculus II
MAT 116 (3)

General
Biology I
BIO 101 (4)

General
Biology II
BIO 112 (4)

General
Chemistry I
CHM 101 (4)

General
Chemistry II
CHM 112 (4)

Introduction to
Comp. Sci.
CSC 101 (3)

Programming I
CSC 112 (3)

Freshmen
English I
ENG 101 (3)

Freshmen
English II
ENG 112 (3)

YEAR 2

Fall
(19)

Spring
(19)

Mech. & Waves
for Life Science
PHU 205 (4)

Electro. &
Optics for LS
PHU 216 (4)

Microbiology
BIO 223 (4)

Human
Physio. & Anat.
BIO 224 (4)

Organic
Chemistry I
CHM 211 (4)

Organic
Chemistry II
CHM 212 (4)

Probability &
Statistics
STA 211 (3)

Humanity Course
Elective (3)

Islamic
Studies I
ISL 101 (2)

Islamic
Studies II
ISL 112 (2)

Arabic
Language I
ARB 101 (2)

Arabic
Language II
ARB 112 (2)

YEAR 3

Fall
(17)

Spring
(18)

Molecular
Biology I
BIO 345(4)

Molecular
Biology II
BIO 357 (4)

Biochemistry I
BIO 346 (4)

Biochemistry II
BIO 358 (4)

Research
Methodology
LSR 302 (3)

Instrumental
Analysis
CHM 310 (4)

Biomedical and Nat. Sci. Elective (12), Courses (4)

Immunology
SCI 321 (3)

Cancer Bology
SCI 322 (3)

Med. Chem.
CHM 331 (3)

Environ. Chem.
CHM 332 (3)

Signal Trans.
SCI 323 (3)

Human Genetics
SCI 324 (3)

Bioinformatics
SCI 325 (3)

Anal. Chem.
CHM 213 (3)

YEAR 4

Fall
(14)

Spring
(14)

Advance Courses & Research Projects (28)

Life Science
Special Topics I
LST 421 (3)

Life Science
Special Topics III
LST 423 (3)

Life Science
Special Topics II
LST 422 (3)

Integrative LS
Research Seminar
LSR 423 (3)

Life Science
Research Project I
LSR 421 (8)

Life Science
Research Project II
LSR 422 (8)

Core Science
Credit Hours (78), Courses (21)

Gen. Education Requirement
Credit Hours (14), Courses (6)

Humanity Course Elective
Credit Hours (2), Course (1)

Biomedical or Nat. Science Electives
Credit Hours (12), Courses (4)

Adv. Courses, Research Projects,
and Seminars
Credit Hours (28), Courses (6)

Total
(134)

Graduation