

Recommended Pattern of Study for Programs offered by Division of Life Science
For students admitted in 2015-16
(Last updated: 11 May 2016)

BISC Recommended pathway		Note	Cr.
Year 1 Fall	LIFS 1901 LIFS 1903 CHEM 1010 OR CHEM 1020 CHEM 1050 MATH 1013 HLTH 1010 SCIE 1000 University Core Elective course to be offered	General Biology I ^{note1} Laboratory for General Biology I ^{note1} General Chemistry IA OR General Chemistry IB Laboratory for General Chemistry I Calculus I Healthy Lifestyle Science School Induction Common core courses 1000 level: 1030	R+S ^{note2} 3 R+S ^{note2} 1 R+S ^{note2} 3 R+S ^{note2} 1 S ^{note2} 3 0 0 CC 6 E 0
Term Load:			17
Year 1 Spring	LIFS 1902 LIFS 1904 CHEM 1030 HLTH 1010 SCIE 1000 University Core	General Biology II Laboratory for General Biology II General Chemistry II Healthy Lifestyle Science School Induction Common core courses	R+S ^{note2} 3 R+S ^{note2} 1 R+S ^{note2} 3 0 0 CC+S ^{note2} 6
Term Load:			13
Year 2 Fall	LIFS 2210 LIFS 2060 PHYS 1001 University Core Elective course to be offered	Biochemistry I Biodiversity Physics and The Modern society Common core courses 2000-Level: LIFS 2010/2070/2720(Lab)/2820	R+S ^{note2} 3 R 3 CC+S ^{note2} 3 CC 6 E 0
Term Load:			15
Year 2 Spring	LIFS 2040 LIFS 2220 LIFS 2240 LIFS 2080 University Core Elective course to be offered	Cell Biology Biochemistry II Cell Biology Laboratory Plant Biology Common core courses LIFS 2011/2240(Lab with 2040)/LIFS 2280(Lab of 2080)/BIPH 2010	R 3 R 3 R 3 R 3 CC 3 E 3
Term Load:			15
Year 3 Fall	COMP 1001 OR 1021 OR 1022P or 1022Q LANG 2010 LIFS 3160 University Core Elective course to be offered	Multimedia/Internet Comp/Intro to Computer Science/Intro to Comp with Java/ Intro to Comp with Excel VBA Eng for Sci I Ecology Common core courses 3000 level: LIFS 3002/3010/3110(Lab)/3210(with Lab 3110)/3130/3140/3330(Lab of 3130)/ENVS 3001/BIPH3010	S ^{note2} 3 S ^{note2} 3 R 3 CC 6 E 3
Term Load:			15
Year 3 Spring	LIFS 3040 LIFS 3060 LANG 3014 ^{Note 5} LIFS 3220 or LIFS 3260 ^{Note 6} University Core Elective course to be offered	Animal Physiology Microbiology Laboratory Report Writing for Life Science Students Animal Physiology Laboratory OR Microbiology Laboratory Common core courses 3000 level: LIFS 3020/3070/3150/3220(Lab of 3040)/3260	R 3 R 3 1 R 3 CC 3 E 3
Term Load:			16
Year 4 Fall	LIFS 4960 OR LIFS 4970 ^{note4} LANG 4014 ^{Note 5} University Core Elective course to be offered	BISC Capstone courses English for Life Science Capstone and Final Year Projects Common core courses 4000 level: LIFS 4150/4760/ENVS 4001	R 3 R [2] CC 3 E 3
Term Load:			9
Year 4 Spring	LIFS 4960 OR LIFS 4980 ^{note4} LANG 4014 ^{Note 5} University Core Elective course to be offered	BISC Capstone courses English for Life Science Capstone and Final Year Projects Common core courses 4000 level: ENVS 4301/4905/ LIFS 4140/4380/4550/4800/4060/BIPH 4010	R [0/3/4] R 2 CC 3 E 6
Term Load:			11

BCB Recommended pathway		Note	Cr.
Year 1 Fall	LIFS 1901 LIFS 1903 CHEM 1010 OR CHEM 1020 CHEM 1050 PHYS 1001 HLTH 1010 SCIE 1000 University Core Elective course to be offered	General Biology I ^{note1} Laboratory for General Biology I ^{note1} General Chemistry IA OR General Chemistry IB Laboratory for General Chemistry I Physics and The Modern society Healthy Lifestyle Science School Induction Common core courses 1000 level: 1030	R+S ^{note2} 3 R+S ^{note2} 1 R+S ^{note2} 3 R+S ^{note2} 1 S ^{note2} 3 0 0 CC 6 E 0
Term Load:			17
Year 1 Spring	LIFS 1902 LIFS 1904 CHEM 1030 CHEM 1055 MATH 1013 HLTH 1010 SCIE 1000 University Core	General Biology II Laboratory for General Biology II General Chemistry II Laboratory for General Chemistry II Calculus I Healthy Lifestyle Science School Induction Common core courses	R+S ^{note2} 3 R+S ^{note2} 1 R+S ^{note2} 3 R+S ^{note2} 1 S ^{note2} 3 0 0 CC 6
Term Load:			17
Year 2 Fall	LIFS 2010 LIFS 2210 LANG 3014 ^{Note 5} LIFS 2720 LIFS 2820 CHEM 2110(Fall) OR CHEM 2311(Spring) University Core Elective course to be offered	Modern Approaches to Biochemical and Cell Biological Research Biochemistry I Laboratory Report Writing for Life Science Students Biochemistry Laboratory Biochemical Laboratory Techniques Note: CHEM 2110 OR CHEM 2311 Organic Chemistry I OR Analytical Chemistry Common core courses 2000 level: LIFS 2060/2070	R 3 R 3 R 1 R 2 R 1 R 3 CC 3 E 0
Term Load:			16
Year 2 Spring	LIFS 2220 LIFS 2040 LIFS 2240 CHEM 2155 OR CHEM 2355 CHEM 2110(Fall) OR CHEM 2311(Spring) University Core Elective course to be offered	Biochemistry II Cell Biology Cell Biology Laboratory Note: CHEM 2155 OR CHEM 2355 Fundamental Organic Chemistry Laboratory Fundamental Analytical Chemistry Laboratory Note: CHEM 2110 OR CHEM 2311 Organic Chemistry I OR Analytical Chemistry Common core courses LIFS 2080/LIFS 3060/BIPH 2010	R 3 R 3 R 3 R 1 R [3] CC 3 E 3
Term Load:			16
Year 3 Fall	COMP 1001 OR 1021 OR 1022P or 1022Q LANG 2010 LIFS 3010 LIFS 3140 University Core Elective course to be offered	Multimedia/Internet Comp/Intro to Computer Science/ Intro to Comp with Java/ Intro to Comp with Excel VBA English for Science I Molecular and Cellular Biology I General Genetics Common core courses 3000 level: LIFS 3002/LIFS 3110/BIPH3010/LIFS3210	S ^{note2} 3 S ^{note2} 3 R 3 R 4 CC 3 E 0
Term Load:			16
Year 3 Spring	LIFS 3020 University Core Elective course to be offered	Molecular and Cellular Biology II Common core courses 3000 level: LIFS 3040/3060/LIFS 3070/3240/3510/3520	R 3 CC 9 E 6
Term Load:			18
Year 4 Fall	LIFS 4961 OR LIFS 4971 ^{note4} LANG 4014 ^{note5} University Core Elective course to be offered	BCB Capstone courses English for Life Science Capstone and Final Year Projects Common core courses 4000 level: LIFS 4060/4090/4370/4760/4950/BIPH 4010	R [3] R 2 CC 3 E 9
Term Load:			14
Year 4 Spring	LIFS 4961 OR LIFS 4981 OR SCIE 4500 ^{note4} LANG 4014 ^{note5} University Core Elective course to be offered	BCB Capstone courses English for Life Science Capstone and Final Year Projects Common core courses 4000 level: LIFS 4140/4190/4540/4580/4620/4800	R 3 R [2] CC 3 E 6
Term Load:			12

BIOT Recommended pathway		Note	Cr.
Year 1 Fall	LIFS 1901 LIFS 1903 CHEM 1010 OR CHEM 1020 CHEM 1050 MATH 1013 HLTH 1010 SCIE 1000 University Core Elective course to be offered	General Biology I ^{note1} Laboratory for General Biology I ^{note1} General Chemistry IA OR General Chemistry IB Laboratory for General Chemistry I Calculus I Healthy Lifestyle Science School Induction Common core courses 1000 level: 1030	R+S ^{note2} 3 R+S ^{note2} 1 R+S ^{note2} 3 R+S ^{note2} 1 S ^{note2} 3 0 0 CC 6 E 0
Term Load:			17
Year 1 Spring	LIFS 1902 LIFS 1904 CHEM 1030 CHEM 1055 HLTH 1010 SCIE 1000 University Core	General Biology II Laboratory for General Biology II General Chemistry II Laboratory for General Chemistry II Healthy Lifestyle Science School Induction Common core courses	R+S ^{note2} 3 R+S ^{note2} 1 R+S ^{note2} 3 R+S ^{note2} 1 0 0 CC 6
Term Load:			14
Year 2 Fall	LIFS 2210 LIFS 2070 PHYS 1001 COMP 1001 OR 1021 OR 1022P or 1022Q University Core Elective course to be offered	Biochemistry I Introduction to Biotechnology Physics and The Modern society Multimedia/Internet Comp/Intro to Computer Science/ Intro to Comp with Java/ Intro to Comp with Excel VBA Common core courses 2000 level: LIFS 2010/2060/LIFS 2720(Lab)/LIFS 2820	R 3 R 3 S ^{note2} 3 S ^{note2} 3 CC 3 E 0
Term Load:			15
Year 2 Spring	LIFS 2040 LIFS 2080 LIFS 3060 University Core Elective course to be offered	Cell Biology Plant Biology Microbiology Common core courses LIFS 2240(Lab with 2040)/ 2280(Lab of 2080)/LIFS 3260(Lab of LIFS 3060)/BIPH 2010	R 3 R 3 R 3 CC 6 E 3
Term Load:			18
Year 3 Fall	CHEM 2110(Fall) OR CHEM 2311(Spring) LANG 2010 LIFS 3110 LIFS 3210 LIFS 3140 LANG 3014 University Core Elective course to be offered	Note: CHEM 2110 OR CHEM 2311 Organic Chemistry I OR Analytical Chemistry English for Science I Biotechnological Application of Recombinant DNA Techniques Principles of Recombinant DNA Technology General Genetics Laboratory Report Writing for Life Science Students Common core courses LIFS 3010/4630/4760/BIPH3010	R 3 S 3 R 2 R 1 R 4 R 1 R 1 CC 3 E 0
Term Load:			17
Year 3 Spring	CENG 1600 CHEM 2155 OR CHEM 2355 CHEM 2110(Fall) OR CHEM 2311(Spring) University Core Elective course to be offered	Biotechnology and its Business Opportunities Note: CHEM 2155 OR CHEM 2355 Fundamental Organic Chemistry Laboratory Fundamental Analytical Chemistry Laboratory Note: CHEM 2110 OR CHEM 2311 Organic Chemistry I OR Analytical Chemistry Common core courses 3000 level: LIFS 3020/3040/3150/3220	R 3 R 1 R [3] CC 6 E 6
Term Load:			16
Year 4 Fall	LIFS 4963 OR LIFS 4973 ^{note4} LANG 4014 ^{note5} LIFS 4150 LIFS 4200 University Core Elective course to be offered	BIOT Capstone courses English for Life Science Capstone and Final Year Projects Plant Biotechnology Concepts and Issues in Contemporary Biotechnology Common core courses 4000 level: LIFS 4370/4630/4760/4820(Only Year 4)/	R [3] R [2] R 3 R 3 CC 3 E 3
Term Load:			12
Year 4 Spring	LIFS 4963 OR LIFS 4983 OR SCIE 4500 ^{note4} LANG 4014 ^{note5} University Core Elective course to be offered	BIOT Capstone courses English for Life Science Capstone and Final Year Projects Aquaculture Biotechnology Common core courses 4000 level: LIFS 4140/4540/4380/4550/4580/4800, CENG 4670, BIPH 4010	R 3 R 2 R 3 CC 3 E 3
Term Load:			14

Note:

"S" - SSCI school requirement "R" - major required course [] denotes the course is also offered in other terms as indicated and student may take the course in one of these terms

"E" - major elective course "CC" - Common core requirement (36 credits) **Highlights in GREEN- elective courses** **Text in red - update**

Note 1 - Note 6 Please refer to the explanatory note (separate doc - attachment)

Table was made according to the official pathway: http://publish.usf.edu/prog_crsg/ugprog/pathways.html

Recommended pathway are for reference only and it may subject to change from semester to semester. Students are strongly advised to refer to the Program Catalog for the School requirement or Course Catalog to understand the most updated and detailed requirements. For other cohorts, please refer to the UG Curriculum Handbook.