

Bachelor of Science in Biology

Molecular Biology/Biotechnology Specialization



Discoveries in biology will transform the 21st century. If you are interested in a fascinating career in the life sciences, a Bachelor of Science Degree in Biology will open the door to meaningful job opportunities and continued education. You will gain a firm foundation for a rewarding career in biotechnology, medicine, veterinary, pharmaceuticals, environmental science or research that improves health and saves lives.

If you hold an Associate in Arts Degree, you can benefit from a seamless transfer into the Bachelor's Degree program, saving you time and money.

With a Bachelor of Science Degree in Biology, you will be a valued member of this rapidly growing industry.

Why Choose Indian River State College?

- Real-world learning with job-related experiences
- Small classes with professors who help you succeed
- Convenient campuses & online courses
- Affordability with many financial aid opportunities

Get started today!

Meet with an IRSC Advisor.

Track your progress - Curriculum Guide on the reverse side.

IRSC is an equal employment/equal opportunity educational institution.



INDIAN RIVER STATE COLLEGE

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Curriculum Guide

Bachelor of Science Degree in Biology

Molecular Biology/Biotechnology Concentration

Check when complete	Course	Title	Credit Hours	Prerequisite
<input type="checkbox"/>	PCB 3063 & PCB 3063L	Genetics with Lab	4	BSC 2010 & BSC 2010L, CHM 2210 & CHM 2210L
<input type="checkbox"/>	MCB 3023 & MCB 3023L	General Microbiology with Lab	4	BSC 2010 & BSC 2010L, CHM 2210 & CHM 2210L
<input type="checkbox"/>	PCB 3674	Evolutionary Biology	3	BSC 2010 & BSC 2010L, BSC 2011 & BSC 2011L
<input type="checkbox"/>	PHY 2053 & PHY 2053L or PHY 2048 & PHY 2048L	College Physics I with Lab or Physics for Engineers I with Lab	4	MAC 1114 (for PHY 2053) MAC 2311 (for PHY 2048)
<input type="checkbox"/>	BSC 3931	Junior Seminar I	1	BSC 2011 & BSC 2011L, CHM 1046 & CHM 1046L (pre/co-req CHM 2210 & CHM 2210L)
<input type="checkbox"/>	PCB 4043	General Ecology	3	BSC 2011 & BSC 2011L
<input type="checkbox"/>	PHY 2054 & PHY 2054L or PHY 2049 & PHY 2049L	College Physics II with Lab or Physics for Engineers II with Lab	4	PHY 2053 & PHY 2053L (for PHY 2054) PHY 2048 & PHY 2048L (for PHY 2049)
<input type="checkbox"/>	BSC 3464 & BSC 3464L	Biotechnology I with Lab	4	BSC 2010 & BSC 2010L, CHM 1045 & CHM 1045L
<input type="checkbox"/>	BOT 3015	Plant Biology	3	BSC 2011 & BSC 2011L
<input type="checkbox"/>	BSC 3932	Junior Seminar II	1	BSC 3931, CHM 2210 & CHM 2210L (pre/co-req BSC 3465 & BSC 3465L) (pre/co-req CHM 2211 & CHM 2211L)
<input type="checkbox"/>	BCH 4053 & BCH 4053L	Biochemistry I with Lab	4	BSC 2011 & BSC 2011L, CHM 2211 & CHM 2211L
<input type="checkbox"/>	BSC 3465 & BSC 3465L	Biotechnology II with Lab	4	BSC 3464 & BSC 3464L
<input type="checkbox"/>	PCB 4023	Cell Biology and Physiology	3	BSC 2011 & BSC 2011L, CHM 2210 & CHM 2210L
<input type="checkbox"/>	BSC 4434	Introduction to Bioinformatics	3	BSC 3464 & BSC 3464L, PCB 3063 & PCB 3063L, STA 2023
<input type="checkbox"/>	BSC 4910	Senior Project I	1	BSC 3931, BSC 3932
<input type="checkbox"/>	PCB 4024 & PCB 4024L	Molecular and Cell Biology with Lab	4	BSC 2011 & BSC 2011L, CHM 1046 & CHM 1046L, PCB 3063 & PCB 3063L
<input type="checkbox"/>	BCH 4054	Biochemistry II	3	BCH 4053 & BCH 4053L
<input type="checkbox"/>	PCB 4233	Immunology	3	BSC 2010 & BSC 2010L, BSC 2011 & BSC 2011L, CHM 2211 & CHM 2211L, MCB 3023 & MCB 3023L, BCH 4053 & BCH 4053L
<input type="checkbox"/>	BSC 4422	Applications in Biotechnology	3	BSC 3465 & BSC 3465L
<input type="checkbox"/>	BSC 4911	Senior Project II	1	BSC 4910
	Total Credits		60	

Program Information:

- An Associate in Arts Degree and a minimum cumulative GPA of 2.0 is required for program admission.
- Completion of the following common prerequisite courses with a grade of "C" or higher is required for program admission: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 1045, CHM 1045L, CHM 1046, CHM 1046L, CHM 2210, CHM 2210L, CHM 2211, CHM 2211L, MAC 2311, STA 2023. Provisional admission may be available for students with an A.A. Degree who need to complete prerequisite courses. See an IRSC Advisor for details.
- All prerequisites for upper-division courses in the Biology Baccalaureate Degree program require a grade of "C" or higher.