



INDIAN RIVER STATE COLLEGE

## TRANSFER MAP

### From AA to BS – Middle Grades Mathematics

122 Credits

**Note:** Highlighted courses have been identified as “key courses.” It is strongly advised that students make every effort to pass these courses on the first attempt with a “C” or higher in order to be successful in this program. Please see your assigned advisor or transfer advisor if you have any concerns about your success in these courses.

Freshman (1st Semester)				
Check when complete	Course	Title	Credit Hours	Prerequisite
	ENC 1101	English Composition I	3	
	SLS 1101	Student Success	3	
	MAC 1140	Pre-Calculus Algebra	3	MAC1105 ("C" or higher)
	SPC 1017	Fundamentals of Speech Communication	3	
	AMH 2010	American History: Discovery through Reconstruction	3	
		Total Semester Credits	15	
Freshman (2 <sup>nd</sup> Semester)				
	Course	Title	Credit Hours	Prerequisite
	ENC 1102	English Composition II	3	ENC 1101 ("C" or higher)
	MAC 1114	Plane Trigonometry	3	MAC1105 ("C" or higher)
	PHI 1010	Introduction to Philosophy	3	
	AMH 2020	American History: Reconstruction to the Present	3	
	COP 2000	Introduction to Computer Programming I	3	
		Total Semester Credits	15	
Sophomore (3 <sup>rd</sup> Semester)				
	Course	Title	Credit Hours	Prerequisite
	MAC 2311	Calculus I with Analytic Geometry	5	MAC1114 & MAC1140, or MAC1147 ("C" or higher)
	ECO 2013	Principles of Economics- Macro	3	
		Total Semester Credits	8	
Sophomore (4th Semester)				
	Course	Title	Credit Hours	Prerequisite
	PHI 2100	Introduction to Logic	3	
	MAC 2312	Calculus II	4	MAC2311 ("C" or higher)
	PHY 2048/L	Physics with Calculus I/lab	4	MAC2311
	Foreign Language	Foreign Language - Level I	4	
		Total Semester Credits	15	

	<b>Sophomore (5th Semester)</b>	<b>Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
	MAC 2313	Calculus III	5	MAC2312 ("C" or higher)
	PHY 2049/L	Physics with Calculus II/lab	4	PHY2048/L; Precoreq: MAC2312
	MAP 2302	Differential Equations	3	MAC2312 ("C" or higher)
	Foreign Language	Foreign Language - Level II	4	
		<b>Total Semester Credits</b>	<b>16</b>	
	<b>(Junior/Senior Years)</b>	<b>Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
	EDF 3214	Human Development and Learning	3	Pre/coreq: EDF2005
	EDM 3001	Introduction to Middle School	3	
	EME 3410	Integrating Technology in the Classroom	3	EDF2005
	TSL 3080	ESOL Issues: Principles and Practices	3	
	BSC 2010/L	General Biology I/lab	4	
	PHY020	Principles of Physics	3	MAT1033 or higher
	SCE 4942	Teaching Secondary Science Practicum	1	EDF2005, EDF3214, 9 hrs of science; coreq: EDG3343
	RED 3360	Teaching Reading in Middle/Secondary Schools	3	Pre/coreq: EDF2005
	BSC 2011/L	General Biology II w/lab	4	BSC2010/L
	EDG 3343	Instructional Strategies	3	Pre/coreq: EDF2005, EDF3214; coreq: SCE4942
	CHM 1020	Introduction to Chemistry	3	
	EDF 4430	Measurement, Evaluation and Assessment	3	Pre/coreq: EDF2005
	EDG 4410	Classroom Management and Communication	3	Pre/coreq: EDF3214, EDF2005
	PCB 4043/L	General Ecology w/lab	4	BSC2011/L ("C" or higher)
	SCE 3360	Middle School/Secondary Science Methods	3	EDF2005, EDG3343, EDF3214, SCE4942, 9 hours of science; Coreq: SCE3940
	SCE 3940	Teaching Middle School Science Practicum	1	EDF2005, EDF3214, 9 hrs of science; coreq: SCE3360
	SCE 4943	Seminar in Science Teaching	3	All requirements completed, permission; Coreq: SCE4941
	SCE 4941	Student Teaching in Science	10	All requirements completed, permission; Coreq: SCE4943
		<b>Total Credits – Junior Senior Years</b>	<b>60</b>	
		<b>AA to BS TOTAL CREDITS</b>	<b>122</b>	

\*If student took 2 years of Foreign Language in High School, not required to take foreign language in college

#### Admissions Criteria:

- This program is designed for students who have already completed an A.A. Degree.
- Satisfactory completion of the General Knowledge portion of the Florida Teacher Certification Exam is required for admission.
- Completion of the Education prerequisites EDF2005, EDF2085, EME2040 is required prior to enrolling in Education courses.
- Satisfactory level II background check by the Florida Department of Law Enforcement and the Federal Bureau of Investigation is required prior to enrolling in any Education courses with field experience components.
- Satisfactory brief narrative that includes a request for admission to the program, factor influencing the applicant's decision to teach, the applicant's philosophy of education and previous teaching or related experiences which demonstrate the applicant's potential as an educator is required.
- Written recommendations from three individuals familiar with the applicant's academic work, personal character and/or ability to work with children and/or youth are required.



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#### **Program Information:**

- Nine hours of math content courses are required.
- Students may need to meet additional program requirements based on previous credits earned. Contact an IRSC Advisor for more information.
- Students who have not taken two years of the same foreign language in high school must complete the second level of foreign language at the college level to meet the foreign language requirement. See College Catalog.
- The following courses have field experiences: EDF3214 (15 hours); EDM3001 (20 hours) MAT3905, MAE3940, MAE4941 (30 hours).