



**INDIAN RIVER STATE COLLEGE**  
**PROGRAM BS - Middle Grades Mathematics**  
**Meta Major: Education**  
**2017-2018 Guided Pathway**  
**S0020 Credit Hours 62**

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 advisor if you have any concerns about your success in these courses.

First Semester				
Check when complete	Course Number	Title	Credit Hours	Prerequisite
<input type="checkbox"/>	EDF3214	Human Development and Learning	3	Pre/coreq: EDF2005
<input type="checkbox"/>	EDM3001	Introduction to Middle School	3	
<input type="checkbox"/>	EME3410	Integrating Technology in the Classroom	3	EDF2005
<input type="checkbox"/>	MAC2311	Calculus I with Analytic Geometry	5	MAC1114, MAC1140
<input type="checkbox"/>	STA2023	Elementary Statistics I	3	MAT1033 or MGF2106 or MGF2107 ("C" or higher)
<b>Total Semester Credit Hours</b>			<b>17</b>	

Second Semester				
Check when complete	Course Number	Title	Credit Hours	Prerequisite
<input type="checkbox"/>	MAE3816	Elements of Geometry	3	MAC2311; MTG2204 or MTG3212
<input type="checkbox"/>	EDG3343	Instructional Strategies	3	Pre/coreq: EDF2005, EDF3214; coreq: MAE4941
<input type="checkbox"/>	RED3360	Teaching Reading in Middle/Secondary Schools	3	pre/coreq: EDF2005
<input type="checkbox"/>	MAE4941	Teaching Secondary Mathematics Practicum	2	EDF2005, EDF3214, 9 hrs of math; coreq: EDG3343
<input type="checkbox"/>	MHF4404	History of Mathematics	3	MAC2311
<b>Total Semester Credit Hours</b>			<b>14</b>	

Third Semester				
Check when complete	Course Number	Title	Credit Hours	Prerequisite
<input type="checkbox"/>	TSL3080	ESOL Issues: Principles and Practices	3	
<b>Total Semester Credit Hours</b>			<b>3</b>	

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Fourth Semester				
Check when complete	Course Number	Title	Credit Hours	Prerequisite
<input type="checkbox"/>	EDF4430	Measurement, Evaluation and Assessment	3	Pre/coreq: EDF2005
<input type="checkbox"/>	EDG4410	Classroom Management and Communication	3	Pre/coreq: EDF3214, EDF2005
<input type="checkbox"/>	MAE4815	Elements of Algebra	4	MAC2311
<input type="checkbox"/>	MAE4363	Middle School/Secondary School Mathematics Methods	3	EDF3214, EDG3343, MAE4941; Coreq: MAE3940
<input type="checkbox"/>	MAE3940	Teaching Middle School Mathematics Practicum	2	EDF2005, EDF3214, 9 hrs of math; coreq: MAE4363
<b>Total Semester Credit Hours</b>			<b>15</b>	

Fifth Semester				
Check when complete	Course Number	Title	Credit Hours	Prerequisite
<input type="checkbox"/>	MAE4945	Student Teaching in Mathematics	10	Coreq: MAE4932
<input type="checkbox"/>	MAE4932	Seminar in Mathematics Education	3	Coreq: MAE4945
<b>Total Semester Credit Hours</b>			<b>13</b>	