

# MATHEMATICS AND SCIENCES IN SECONDARY EDUCATION SPECIALIZATION IN PHYSICS (SED-PHY)

TWO YEAR DEGREE MAP

## YEAR 1

SEMESTER 1		14 CREDITS
MAT 301	Analytic Geometry and Calculus I <sup>1</sup> 4 CREDITS	
ENG 101	English Composition 3 CREDITS	
CHE 201	College Chemistry I <sup>2</sup> 4 CREDITS	
PSY 100	Introduction to Psychology 3 CREDITS	

## SEMESTER 2

SEMESTER 2		15 CREDITS
MAT 302	Analytic Geometry and Calculus II <sup>3</sup> 4 CREDITS	
PHY 215	University Physics I <sup>4</sup> 4 CREDITS	
ENG 201	Introduction to Literature 3 CREDITS	
CHE 202	College Chemistry II <sup>5</sup> 4 CREDITS	

## YEAR 2

SEMESTER 3		16 CREDITS
PHY 225	University Physics II <sup>6</sup> 4 CREDITS	
ENG 391	World Literature I <sup>7</sup> 3 CREDITS	
EDS 201	Adolescent Development 3 CREDITS	
XXX xxx	Creative Expression <sup>8</sup> 3 CREDITS	
XXX xxx	Individual and Society <sup>9</sup> 3 CREDITS	

## SEMESTER 4

SEMESTER 4		15 CREDITS
PHY 240	Modern Physics <sup>10</sup> 3 CREDITS	
EDS 202	Special Topics in Secondary School <sup>11</sup> 3 CREDITS	
XXX xxx	U.S Experience in Its Diversity <sup>9</sup> 3 CREDITS	
XXX xxx	World Culture and Global Issues <sup>9</sup> 3 CREDITS	
XXX xxx	General Elective <sup>12</sup> 3 CREDITS	

**TOTAL: 60 CREDITS<sup>13</sup>**

### FOOTNOTES

- <sup>1</sup> Students must be exempt from MAT 56 and MAT 206 in order to take MAT 301.
- <sup>2</sup> Students must be exempt from MAT 56 in order to take CHE 201.
- <sup>3</sup> MAT 301 must be passed in order to take MAT 302.
- <sup>4</sup> PHY 215 has a co-requisite (meaning that both courses must be taken in the same semester) of MAT 302.
- <sup>5</sup> CHE 201 must be passed in order to take CHE 202.
- <sup>6</sup> PHY 215 and MAT 302 must be passed in order to take PHY 225.
- <sup>7</sup> ENG 392, and SPE 100 or 102 are alternative options.
- <sup>8</sup> Select any Creative Expression Pathways course except SPE 100 or SPE 102.
- <sup>9</sup> Please consult with an academic or faculty advisor.
- <sup>10</sup> PHY 225 must be passed in order to take PHY 240. PHY 240 has a co-requisite of MAT 501 (meaning that both courses must be taken in the same semester). Permission will be required to take PHY 240 without taking MAT 501 from the Science department (Room N-699).
- <sup>11</sup> PSY 100 must be passed in order to take EDS 202. EDU 202 is an alternative option. For EDU 202, EDS 201 must first be passed.
- <sup>12</sup> For students who are not exempt from MAT 56 and MAT 206, MAT 206.5 can be taken to satisfy this requirement.
- <sup>13</sup> A Writing Intensive course is needed to graduate.