

## MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION IN BIOLOGY (SED-SEB)

TWO YEAR DEGREE MAP



SEMESTER 114 CREDITSBIO 210Biology I 4 CREDITSENG 101English Composition 3 CREDITSMAT 206Mathematical & Quantitative Reasoning1 4 CREDITSPSY 100Introduction to Psychology 3 CREDITS	YEAR 1		
A CREDITS         ENG 101       English Composition a CREDITS         MAT 206       Mathematical & Quantitative Reasoning <sup>1</sup> 4 CREDITS         PSY 100       Introduction to Psychology	SEMESTER 1 14 CREDITS		
MAT 206     Mathematical & Quantitative Reasoning <sup>1</sup> PSY 100     Introduction to Psychology	BIO 210		
4 CREDITS PSY 100 Introduction to Psychology	ENG 101	e i	
	MAT 206		e Reasoning <sup>1</sup>
	PSY 100	, 0,	

#### **SEMESTER 2**

#### 17 CREDITS

BIO 220	Biology II 4 credits
CHE 201	College Chemistry I 4 CREDITS
ENG 201	Introduction to Literature 3 CREDITS
EDS 201	Adolescent Development 3 credits
	U.S. Experiences in Its Diversity 3 CREDITS

YEAR 2		
SEMESTER 3 15 CREDI		
BIO 240	Genetics <sup>2</sup> 4 CREDITS	
CHE 202	College Chemistry II 4 CREDITS	
	EDU 202 Schools in Diverse Society (OR) EDS 202 Special Topics in Secondary School 4 CREDITS	
	ENG 391 (OR) ENG 392 (OR) SPE 100 3 credits	
SEMESTER	4 14 CREDITS	
CHE 230	Organic Chemistry I 5 CREDITS	
	Individual and Society 3 CREDITS	
	World Cultures & Global Issues 3 CREDITS	
MUS 103	Music & Western Civilization 3 CREDITS	
	TOTAL: 60 CREDITS <sup>3</sup>	

#### 🍄 FOOTNOTES 🍄

<sup>1</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by

going to the Testing Office (S-103) and passing the MAT 56 exam

<sup>2</sup> BIO 220 is a pre-requisite and CHE 202 is a co-requisite for BIO 240

<sup>3</sup> A Writing Intensive course is needed to graduate

MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION IN BIOLOGY (SED-SEB)

THREE YEAR DEGREE MAP

0 CREDITS

10 CREDITS

**SEMESTER 3** 

BIO 220

MAT 206

ENG 201

PSY 100

**SEMESTER 4** 

CHE 201

EDS 201

YEAR 1

Academic Critical Reading

Algebra<sup>1</sup>

Biology I

Trigonometry<sup>1,2</sup>

English Composition

Intensive Writing II

Basic Arithmetic & Algebra/Elementary

Elementary & Intermediate Algebra with

**SEMESTER 1** 

ACR 95

MAT 12/51

ENG/ESL

BIO 210

MAT 56.5

ENG 101

**SEMESTER 2** 

95



Mathematical & Quantitative Reasoning<sup>1</sup>

ENG 391 (OR) ENG 392 (OR) SPE 100

Introduction to Literature

Introduction to Psychology

College Chemistry I

Adolescent Development

U.S. Experiences in Its Diversity

**Biology II** 

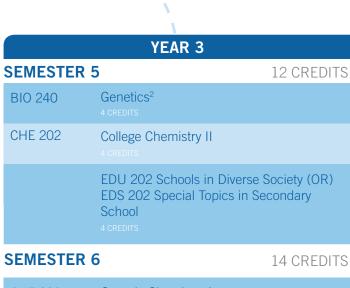
14 CREDITS

13 CREDITS

н

Т

Т



14	CREDIT

CHE 230	Organic Chemistry I 5 CREDITS
	Individual and Society a CREDITS
	World Cultures & Global Issues 3 CREDITS
MUS 103	Music & Western Civilization

**TOTAL- 60 CREDITS<sup>4</sup>** 

#### FOOTNOTES

<sup>1</sup> Developmental courses have 0 credits however their hours are counted towards full-time status and for financial aid purposes

<sup>2</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by going to the Testing Office (S-103) and passing the MAT 56 exam

<sup>3</sup> BIO 220 is a pre-requisite and CHE 202 is a co-requisite for BIO 240

<sup>4</sup> A Writing Intensive course is needed to graduate



## MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION IN CHEMISTRY (SED-SEC)

TWO YEAR DEGREE MAP



YEAR 1				
SEMESTER	1	14 CREDITS		
CHE 201	College Chemistry I <sup>1</sup> 4 CREDITS			
ENG 101	English Composition			
MAT 206 MAT 301	MAT 206 Pre-Calculus/ MAT 301 Calculus I <sup>2</sup> 4 credits			
PSY 100	Introduction to Psychology a credits			
SEMESTER	2	16 CREDITS		

Т

	World Cultures & Global Issues 3 CREDITS
CHE 202	College Chemistry II 4 CREDITS
ENG 201	Introduction to Literature
EDS 201	Adolescent Development
	U.S. Experiences in Its Diversity 3 CREDITS
	I .

YEAR 2		
3	18 CREDITS	
Early American History (or) American History 5 CREDITS	Modern	
Organic Chemistry I 4 CREDITS		
EDU 202 Schools in Diverse EDS 202 Special Topics in S School 3 CREDITS		
ENG 391 (or) ENG 392 (or) (or) ART 103 3 CREDITS	MUS 103	
Fundamentals of Speech 3 CREDITS		
4	15 CREDITS	
Organic Chemistry I 5 CREDITS		
Individual and Society 3 CREDITS		
Physics I (or) University Phy 4 CREDITS	vsics I <sup>3</sup>	
Introduction to Philosophy 3 CREDITS		
	3         Early American History (or)         American History         SCREDITS         Organic Chemistry I         4 OREDITS         EDU 202 Schools in Diverse         EDS 202 Special Topics in S         School         3 OREDITS         ENG 391 (or) ENG 392 (or)         (or) ART 103         3 OREDITS         Fundamentals of Speech         3 OREDITS         Organic Chemistry I         5 OREDITS         Individual and Society         A OREDITS         Physics I (or) University Physics I (or) University Physics I (or) University Physics I (or) University Physics I (or) Society         Introduction to Philosophy	

#### TOTAL: 63 CREDITS<sup>4</sup>

#### 🖗 FOOTNOTES 🏶

<sup>1</sup> MAT 56 is a pre-requisite for CHE 201

<sup>2</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by going to the Testing Office (S-103) and passing the MAT 56 exam

T

T

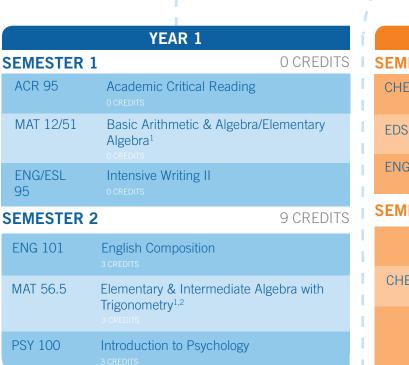
ì

<sup>3</sup> MAT 302 is a co-requisite for PHY 215

<sup>4</sup>A Writing Intensive course is needed to graduate

Three year Degree MAP

S



	1
	YEAR 2
SEMESTER 3	10 CREDITS
CHE 201	College Chemistry I <sup>1</sup> 4 CREDITS
EDS 201	Adolescent Development 3 CREDITS
ENG 201	Introduction to Literature a CREDITS
SEMESTER 4	13 CREDITS
	World Cultures & Global Issues 3 CREDITS
CHE 202	College Chemistry II 4 CREDITS
	EDU 202 Schools in Diverse Society (OR) EDS 202 Special Topics in Secondary School 3 CREDITS
	U.S. Experiences in Its Diversity 3 CREDITS

	YEAR 3	
EMESTER 5	5	14 CREDITS
PHY 210/ PHY 215	Physics I (or) University 4 credits	Physics I <sup>3</sup>
	ENG 391 (or) ENG 392 (or) ART 103 a credits	(or) MUS 103
SPE 100 / SPE 102	Fundamentals of Speec 3 CREDITS	h
CHE 230	Organic Chemistry I 4 CREDITS	
EMESTER 6	5	16 CREDITS
HIS 120/ HIS 125	Early American History American History 5 CREDITS	(or) Modern
	Individual and Society 3 CREDITS	
CHE 240	Organic Chemistry I 5 CREDITS	
PHI 100	Introduction to Philosop 3 CREDITS	bhy

**TOTAL- 60 CREDITS** 

#### 🖗 FOOTNOTES 🏶

- <sup>1</sup> Developmental courses have 0 credits however their hours are counted towards full-time status and for financial aid purposes
- <sup>2</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by
- going to the Testing Office (S-103) and passing the MAT 56 exam
- <sup>3</sup>MAT 56 is a pre-requisite for CHE 201
- <sup>4</sup> MAT 302 is a co-requisite for PHY 215
- <sup>5</sup> A Writing Intensive course is needed to graduate



	YEAR 1	
SEMESTER 1		17 CREDITS
ENG 101	English Composition 3 credits	
MAT 206	Mathematical & Quantitativ Pre-Calculus <sup>1</sup> 4 CREDITS	e Reasoning-
	AST 110 (or) BIO 210 (or) CHE 201 (or) PHY 110 (or) 4 CREDITS	PHY 210 <sup>2</sup>
PSY 100	Introduction to Psychology 3 CREDITS	
	U.S. Experiences in Its Dive 3 CREDITS	ersity
SEMESTER 2	2	17 CREDITS
	AST 110 (or) BIO 220 (or) ( (or) PHY 110 (or) PHY 220	
		0
ENG 201	4 CREDITS Introduction to Literature 3 CREDITS	-
ENG 201 EDS 201	Introduction to Literature	
	Introduction to Literature 3 CREDITS Adolescent Development	
EDS 201	Introduction to Literature 3 CREDITS Adolescent Development 3 CREDITS Analytic Geometry and Calc	

	No. of the second se	
	YEAR 2	
SEMESTER	3	14 CREDITS
MAT 302	Analytic Geometry and Calcu 4 CREDITS	ılus II
EDU 202/ EDS 202	Schools in Diverse Society/Sp Topics in Secondary School 4 CREDITS	oecial
	ENG 391 (OR) ENG 392 (OF 103 (OR) ART 103 3 credits	R) MUS
HIS 101	Western Civilization	
SEMESTER	4	13 CREDITS
MAT 303	Analytic Geometry and Calcu 4 CREDITS	ilus III
MAT 315	Linear Algebra 3 CREDITS	
	Individual and Society 3 CREDITS	
	World Cultures & Global Issu 3 CREDITS	es

#### TOTAL: 61 CREDITS<sup>4</sup>

#### 🏶 FOOTNOTES 🏶

<sup>1</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by going to the Testing Office (S-103) and passing the MAT 56 exam

<sup>2</sup>These courses must be done in sequence. For example, if student takes BIO 210 under Life & Physical Sciences, then must take BIO 220 for their Scientific World requirement. MAT 56 is a pre-requisite course to CHE 201, & PHY 210

<sup>3</sup>These courses must be done in sequence. For example, if student took BIO 210 under Life & Physical Sciences, then must take BIO 220 for their Scientific World requirement

<sup>4</sup> A Writing Intensive course is needed to graduate

# MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION IN MATH (SED-SEM) THREE YEAR DEGREE MAP

AST 110 (or) BIO 220 (or) CHE 202

Mathematical & Quantitative Reasoning-

(or) PHY 110 (or) PHY 220<sup>3</sup>

Introduction to Literature

Adolescent Development

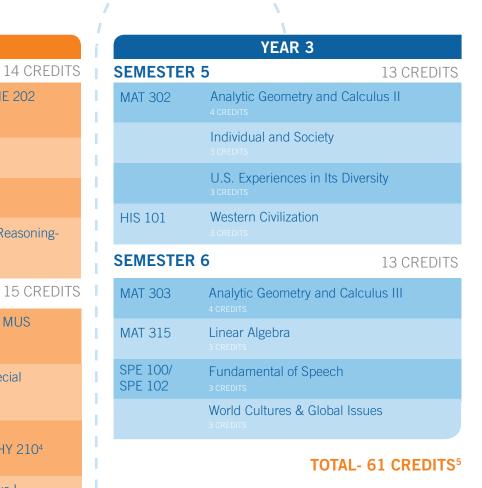
Pre-Calculus<sup>2</sup>



ENG 201

EDS 201

MAT 206



### YEAR 1 **SEMESTER 1** O CREDITS | SEMESTER 3 ACR 95 Academic Critical Reading<sup>1</sup> MAT 12/51 Basic Arithmetic & Algebra/Elementary Algebra<sup>1</sup> ENG/ESL Intensive Writing II<sup>1</sup> 95 SEMESTER 2 9 CREDITS English Composition ENG 101 MAT 56.5 Elementary & Intermediate Algebra with Trigonometrv<sup>1,2</sup> PSY 100 Introduction to Psychology

15 CREDITS **SEMESTER 4** ENG 391 (OR) ENG 392 (OR) MUS 103 (OR) ART 103 EDU 202/ Schools in Diverse Society/Special EDS 202 Topics in Secondary School AST 110 (or) BIO 210 (or) CHE 201 (or) PHY 110 (or) PHY 2104 MAT 301 Analytic Geometry and Calculus I

#### FOOTNOTES

<sup>1</sup> Developmental courses have 0 credits however their hours are counted towards full-time status and for financial aid purposes

<sup>2</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by going to the Testing Office (S-103) and passing the MAT 56 exam

<sup>3</sup> These courses must be done in sequence. For example, if student takes BIO 210 under Life & Physical Sciences, then must take BIO 220 for their Scientific World requirement. MAT 56 is a pre-requisite course to CHE 201, & PHY 210

<sup>4</sup> These courses must be done in sequence. For example, if student took BIO 210 under Life & Physical Sciences, then must take BIO 220for their Scientific World requirement

<sup>5</sup> A Writing Intensive course is needed to graduate

MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION IN PHYSICS (SED-SEP)





YEAR 1							
SEMESTER	14 CREDITS						
ENG 101	English Composition 3 CREDITS						
CHE 201	College Chemistry I <sup>1</sup> 4 CREDITS						
MAT 206/ MAT 301	Pre-Calculus/Calculus I <sup>2</sup> 4 credits						
PSY 100	Introduction to Psychology 3 CREDITS						
SEMESTER 2		18 CREDITS					

University Physics I<sup>3</sup>

College Chemistry II

PHY 215

MAT 302

CHE 202

#### **14 CREDITS SEMESTER 3** PHY 225 University Physics II EDU 202/ Schools in Diverse Society/Special EDS 202 Topics in Secondary School ENG 391 (or) ENG 392 (or) SPE 100 or 102 Music & Western Civilization **MUS 103 SEMESTER 4 16 CREDITS PHY 240** Modern Physics Individual and Society U.S. Experiences in Its Diversity World Cultures & Global Issues General Electives<sup>4</sup>

YEAR 2

#### **TOTAL: 60 CREDITS<sup>5</sup>**

# ENG 201Introduction to Literature<br/>a CREDITSEDS 201Adolescent Development<br/>a CREDITS

Calculus II

#### 🏶 FOOTNOTES 🏶

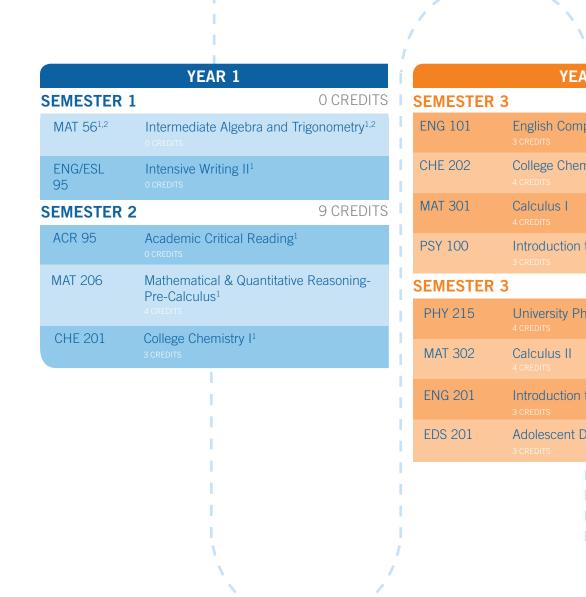
 $^{\scriptscriptstyle 1}$  MAT 56 is a pre-requisite for CHE 201

<sup>2</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by going to the Testing Office (S-103) and passing the MAT 56 exam

I

- <sup>3</sup> MAT 302 is a co-requisite for PHY 215
- <sup>4</sup> MAT 206 can satisfy this requirement
- <sup>5</sup> A Writing Intensive course is needed to graduate

MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION IN PHYSICS (SED-SEP) **C** THREE YEAR DEGREE MAP



1		1		1	
EAR 2		1		YEAR 3	
	14 CREDITS	1	SEMESTER	R 5	14 0
mposition		I I	PHY 225	University Physics II 4 credits	
emistry II		I I	EDU 202/ EDS 202	Schools in Diverse Society/Sp Topics in Secondary School 3 CREDITS	becial
on to Psychology				ENG 391 (or) ENG 392 (or) SPE 100 or 102 3 credits	
	18 CREDITS	ł	MUS 103	Music & Western Civilization	
Physics I <sup>3</sup>		i.	SEMESTER	R 6	16 0
		I I	PHY 240	Modern Physics 3 credits	
on to Literature		I I		Individual and Society 3 CREDITS	
t Development		ł		U.S. Experiences in Its Divers	sity
1		ł		World Cultures & Global Issue 3 CREDITS	es
				TOTAL- 6	51 CR
	a-				

14 CREDITS

16 CREDITS

**TOTAL- 61 CREDITS<sup>4</sup>** 

#### FOOTNOTES

<sup>1</sup> Developmental courses have 0 credits however their hours are counted towards full-time status and for financial aid purposes

<sup>2</sup> To register for upper level math course(s) required by your major, you have to complete MAT 56. You may be able to test out of MAT 56 by going to the Testing Office (S-103) and passing the MAT 56 exam <sup>3</sup> MAT 302 is a co-requisite for PHY 215

<sup>4</sup> A Writing Intensive course is needed to graduate