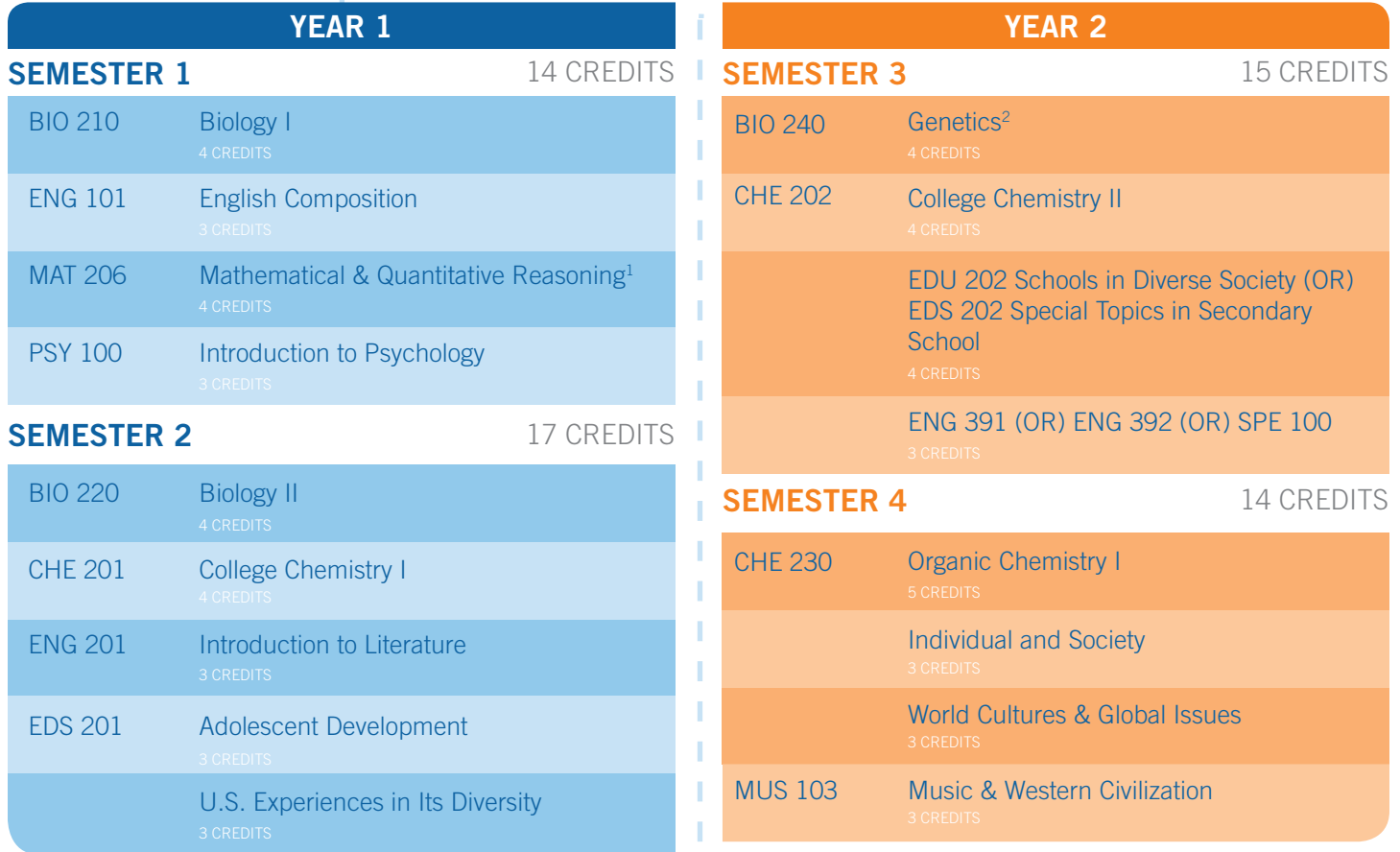




**MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION
IN BIOLOGY (SED-SEB)**
TWO YEAR DEGREE MAP



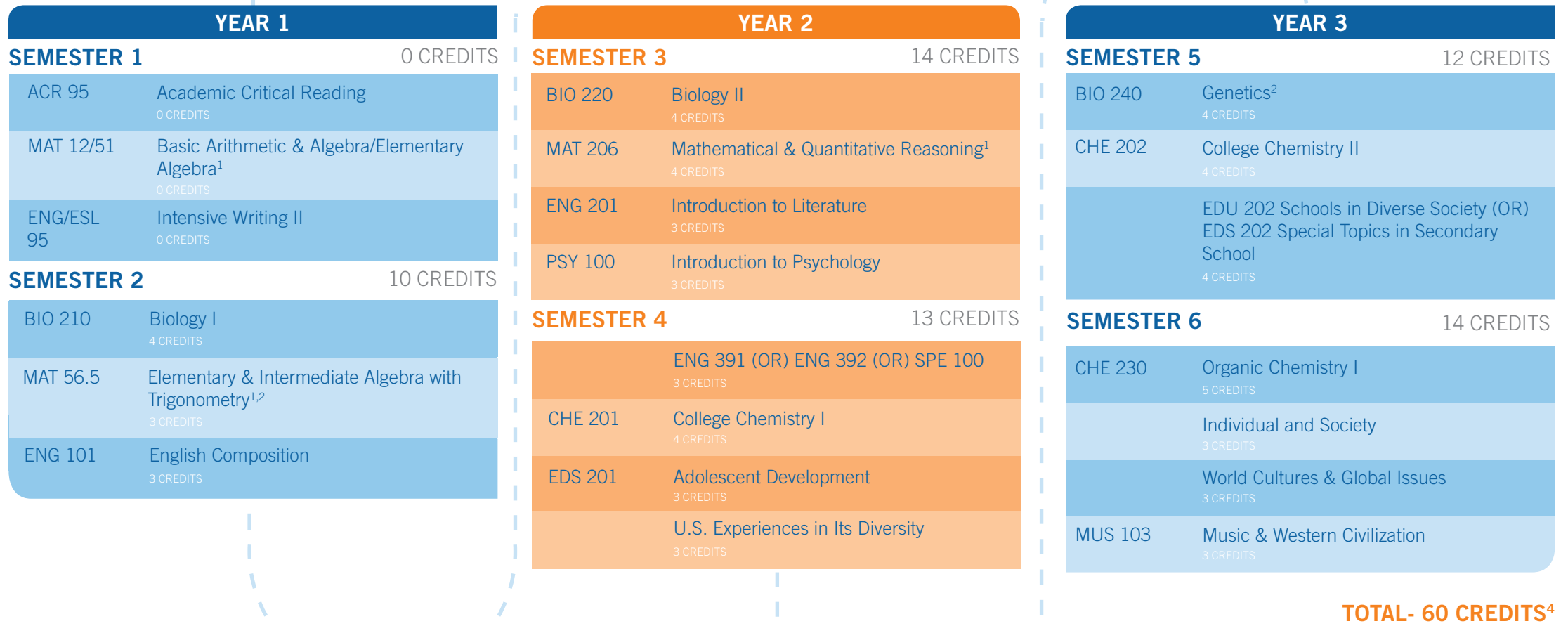
TOTAL: 60 CREDITS³

FOOTNOTES

- ¹ 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
- ² BIO 220 is a pre-requisite and CHE 202 is a co-requisite for BIO 240
- ³ A Writing Intensive course is needed to graduate



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

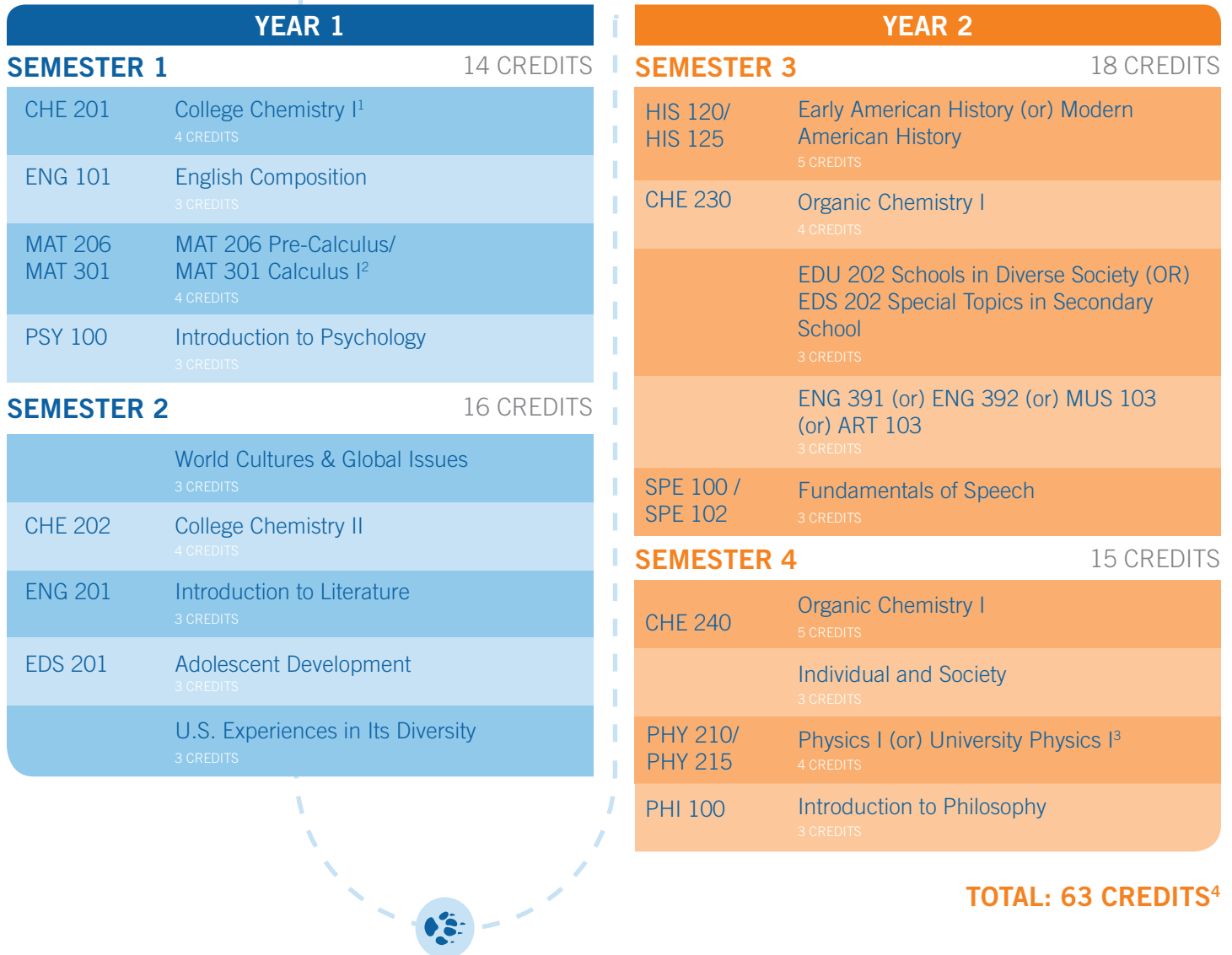


FOOTNOTES

- ¹ Developmental courses have 0 credits however their hours are counted towards full-time status and for financial aid purposes
- ² 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
- ³ BIO 220 is a pre-requisite and CHE 202 is a co-requisite for BIO 240
- ⁴ A Writing Intensive course is needed to graduate



MATH & SCIENCE FOR SECONDARY EDUCATION SPECIALIZATION IN CHEMISTRY (SED-SEC) TWO YEAR DEGREE MAP



FOOTNOTES

¹ MAT 56 is a pre-requisite for CHE 201

² 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

³ MAT 302 is a co-requisite for PHY 215

⁴ A Writing Intensive course is needed to graduate



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

THREE YEAR DEGREE MAP

YEAR 1

SEMESTER 1 0 CREDITS

ACR 95	Academic Critical Reading 0 CREDITS
MAT 12/51	Basic Arithmetic & Algebra/Elementary Algebra ¹ 0 CREDITS
ENG/ESL 95	Intensive Writing II 0 CREDITS

SEMESTER 2 9 CREDITS

ENG 101	English Composition 3 CREDITS
MAT 56.5	Elementary & Intermediate Algebra with Trigonometry ^{1,2} 3 CREDITS
PSY 100	Introduction to Psychology 3 CREDITS

YEAR 2

SEMESTER 3 10 CREDITS

CHE 201	College Chemistry I ¹ 4 CREDITS
EDS 201	Adolescent Development 3 CREDITS
ENG 201	Introduction to Literature 3 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

SEMESTER 5 14 CREDITS

PHY 210/ PHY 215	Physics I (or) University Physics I ³ 4 CREDITS
	ENG 391 (or) ENG 392 (or) MUS 103 (or) ART 103 3 CREDITS
SPE 100 / SPE 102	Fundamentals of Speech 3 CREDITS
CHE 230	Organic Chemistry I 4 CREDITS

SEMESTER 6 16 CREDITS

HIS 120/ HIS 125	Early American History (or) Modern American History 5 CREDITS
	Individual and Society 3 CREDITS
CHE 240	Organic Chemistry I 5 CREDITS
PHI 100	Introduction to Philosophy 3 CREDITS

TOTAL- 60 CREDITS

FOOTNOTES

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

² 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

³ MAT 56 is a pre-requisite for CHE 201

⁴ MAT 302 is a co-requisite for PHY 215

⁵ A Writing Intensive course is needed to graduate



TWO YEAR DEGREE MAP

YEAR 1

SEMESTER 1 17 CREDITS

ENG 101	English Composition 3 CREDITS
MAT 206	Mathematical & Quantitative Reasoning- Pre-Calculus ¹ 4 CREDITS
	AST 110 (or) BIO 210 (or) CHE 201 (or) PHY 110 (or) PHY 210 ² 4 CREDITS
PSY 100	Introduction to Psychology 3 CREDITS
	U.S. Experiences in Its Diversity 3 CREDITS

SEMESTER 2 17 CREDITS

	AST 110 (or) BIO 220 (or) CHE 202 (or) PHY 110 (or) PHY 2203 4 CREDITS
ENG 201	Introduction to Literature 3 CREDITS
EDS 201	Adolescent Development 3 CREDITS
MAT 301	Analytic Geometry and Calculus I 4 CREDITS
SPE 100/ SPE 102	Fundamental of Speech 3 CREDITS

YEAR 2

SEMESTER 3 14 CREDITS

MAT 302	Analytic Geometry and Calculus II 4 CREDITS
EDU 202/ EDS 202	Schools in Diverse Society/Special Topics in Secondary School 4 CREDITS
	ENG 391 (OR) ENG 392 (OR) MUS 103 (OR) ART 103 3 CREDITS
HIS 101	Western Civilization 3 CREDITS

SEMESTER 4 13 CREDITS

MAT 303	Analytic Geometry and Calculus III 4 CREDITS
MAT 315	Linear Algebra 3 CREDITS
	Individual and Society 3 CREDITS
	World Cultures & Global Issues 3 CREDITS

TOTAL: 61 CREDITS⁴

FOOTNOTES

¹ 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

² 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

³ 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

⁴ A Writing Intensive course is needed to graduate



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

THREE YEAR DEGREE MAP

YEAR 1	
SEMESTER 1	0 CREDITS
ACR 95	Academic Critical Reading ¹ 0 CREDITS
MAT 12/51	Basic Arithmetic & Algebra/Elementary Algebra ¹ 0 CREDITS
ENG/ESL 95	Intensive Writing II ¹ 0 CREDITS
SEMESTER 2	9 CREDITS
ENG 101	English Composition 3 CREDITS
MAT 56.5	Elementary & Intermediate Algebra with Trigonometry ^{1,2} 3 CREDITS
PSY 100	Introduction to Psychology 3 CREDITS

YEAR 2	
SEMESTER 3	14 CREDITS
AST 110 (or) BIO 220 (or) CHE 202 (or) PHY 110 (or) PHY 220 ³ 4 CREDITS	
ENG 201	Introduction to Literature 3 CREDITS
EDS 201	Adolescent Development 3 CREDITS
MAT 206	Mathematical & Quantitative Reasoning-Pre-Calculus ² 4 CREDITS
SEMESTER 4	15 CREDITS
ENG 391 (OR) ENG 392 (OR) MUS 103 (OR) ART 103 3 CREDITS	
EDU 202/ EDS 202	Schools in Diverse Society/Special Topics in Secondary School 4 CREDITS
AST 110 (or) BIO 210 (or) CHE 201 (or) PHY 110 (or) PHY 210 ⁴ 4 CREDITS	
MAT 301	Analytic Geometry and Calculus I 4 CREDITS

YEAR 3	
SEMESTER 5	13 CREDITS
MAT 302	Analytic Geometry and Calculus II 4 CREDITS
Individual and Society 3 CREDITS	
U.S. Experiences in Its Diversity 3 CREDITS	
HIS 101	Western Civilization 3 CREDITS
SEMESTER 6	13 CREDITS
MAT 303	Analytic Geometry and Calculus III 4 CREDITS
MAT 315	Linear Algebra 3 CREDITS
SPE 100/ SPE 102	Fundamental of Speech 3 CREDITS
World Cultures & Global Issues 3 CREDITS	

TOTAL- 61 CREDITS⁵

FOOTNOTES

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

² 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

³ 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

⁴ 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

⁵ A Writing Intensive course is needed to graduate



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

TWO YEAR DEGREE MAP

YEAR 1

SEMESTER 1 14 CREDITS

ENG 101	English Composition 3 CREDITS
CHE 201	College Chemistry I ¹ 4 CREDITS
MAT 206/ MAT 301	Pre-Calculus/Calculus I ² 4 CREDITS
PSY 100	Introduction to Psychology 3 CREDITS

SEMESTER 2 18 CREDITS

PHY 215	University Physics I ³ 4 CREDITS
MAT 302	Calculus II 4 CREDITS
CHE 202	College Chemistry II 4 CREDITS
ENG 201	Introduction to Literature 3 CREDITS
EDS 201	Adolescent Development 3 CREDITS

YEAR 2

SEMESTER 3 14 CREDITS

PHY 225	University Physics II 3 CREDITS
EDU 202/ EDS 202	Schools in Diverse Society/Special Topics in Secondary School 3 CREDITS
	ENG 391 (or) ENG 392 (or) SPE 100 or 102 3 CREDITS
MUS 103	Music & Western Civilization 3 CREDITS

SEMESTER 4 16 CREDITS

PHY 240	Modern Physics 3 CREDITS
	Individual and Society 3 CREDITS
	U.S. Experiences in Its Diversity 3 CREDITS
	World Cultures & Global Issues 3 CREDITS
	General Electives ⁴ 4 CREDITS

TOTAL: 60 CREDITS⁵

FOOTNOTES

¹ MAT 56 is a pre-requisite for CHE 201

² 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

³ MAT 302 is a co-requisite for PHY 215

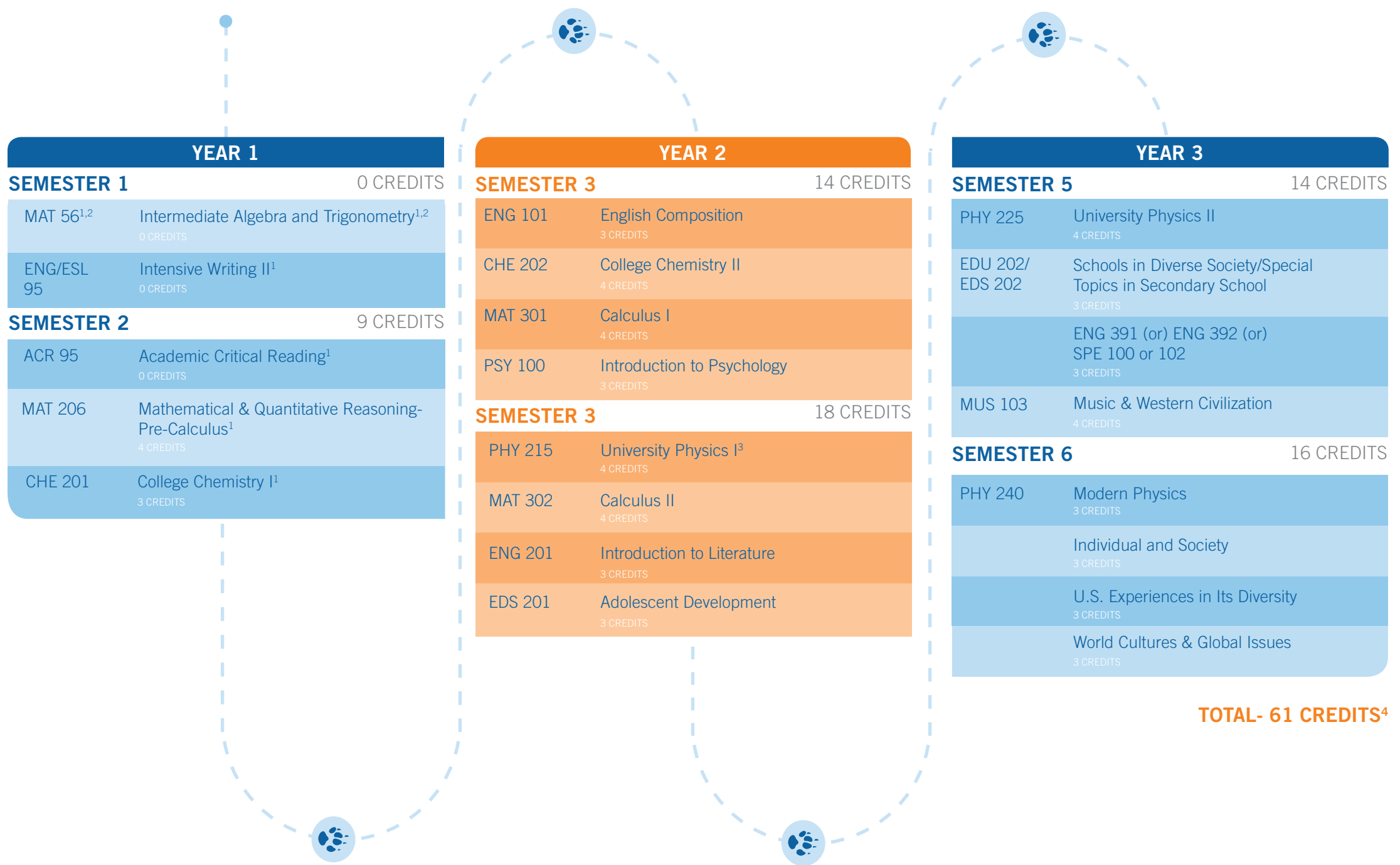
⁴ MAT 206 can satisfy this requirement

⁵ A Writing Intensive course is needed to graduate



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

THREE YEAR DEGREE MAP



TOTAL- 61 CREDITS⁴

FOOTNOTES

- ¹ Developmental courses have 0 credits however their hours are counted towards full-time status and for financial aid purposes
- ² 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
- ³ MAT 302 is a co-requisite for PHY 215
- ⁴ A Writing Intensive course is needed to graduate