CP05EDS08GE08

Office of Registration and Records West Long Branch, NJ 07764 - 1898

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IEMISTRY MAJOR REQUIRE	• •	Credits
	CE111: General Chemistry I CE111L: General Chemistry I Lab	3.0 1.0
	CE112: General Chemistry II	3.0
	CE112L: General Chemistry II Lab	1.0
	CE221: Quantitative Analysis	2.0
	CE221L: Quantitative Analysis Lab	2.0
	CE241: Organic Chemistry I	3.0
	CE241L: Organic Chemistry I Lab CE242: Organic Chemistry II	2.0 3.0
	CE242L: Organic Chemistry II Lab	2.0
	CE311: Chemical Literature	1.0
	CE322: Instrumental Analysis	3.0
	CE372: Physical Chemistry: Intro. To Spectroscopy and	3.0
	Quantum Chemistry CE372L: Physical Chemistry: Intro. To Spectroscopy and	1.0
	Quantum Chemistry Lab	1.0
	CE410: Seminar	1.0
	CExxx: 3 credit 400-Level Elective (except CE499)	3.0
JCATION MAJOR REQUIRE		Credits
	ED250: Foundations of Teaching & Learning ED201: Educational Psychology	3.0 3.0
	ED201: Educational Esychology ED204: Adolescent Psychology	3.0
	ED319: Literacy Across the Secondary Curriculum	3.0
	ED319N: NCATÉ Assessment	0.0
	ED320: Teaching Children with Diverse Needs	3.0
	ED-PRAXIS: Education Praxis II	0.0
	• PRAXIS - 20245	
	• PRAXIS - 10265	
	• PRAXIS - 10435	
9 credits as follows:	ED416: Student Teaching (8 credits) AND	
	ED416S: Seminar in Student Teaching (1 Credit)	
	OR ED417: Supervised Student Teaching (8 credits) AND	9.0
	ED417S: Seminar in Supervised Stud. Teaching (1 credit)	
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UCATION METHODS REQU	IREMENTS: 6 Credits	Credits
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JCATION METHODS REQU	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I	3.0
JCATION METHODS REQU	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II	
	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II	3.0
	ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II NCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits	3.0
	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I	3.0
	ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II NCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits	3.0
	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II NCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab	3.0 3.0 4.0 4.0
	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II NCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II	3.0 3.0 4.0 4.0 4.0 4.0 4.0
	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH2112: General Physics with Calculus II PH2121: General Physics with Calculus II PH2121: General Physics with Calculus II Lab	3.0 3.0 4.0 4.0 4.0 4.0 1.0
	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH2121: General Physics with Calculus II PH2121: General Physics with Calculus II PH301: Modern Physics	4.0 4.0 4.0 4.0 1.0 3.0
EMISTRY-PHYSICAL SCIEN	ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II NCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics	3.0 3.0 4.0 4.0 4.0 4.0 1.0
EMISTRY-PHYSICAL SCIEN	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part II ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II RCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics OUTSIDE OF MAJOR: 3 Credits	3.0 3.0 4.0 4.0 4.0 1.0 3.0 3.0
EMISTRY-PHYSICAL SCIEN	ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II NCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics	4.0 4.0 4.0 4.0 1.0 3.0
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EMISTRY-PHYSICAL SCIEN	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part II ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I Lab PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics OUTSIDE OF MAJOR: 3 Credits PY103: Introduction to Psychology Credit (b)	3.0 3.0 4.0 4.0 4.0 1.0 3.0 3.0
EMISTRY-PHYSICAL SCIEN	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part II ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212. General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics OUTSIDE OF MAJOR: 3 Credits PY103: Introduction to Psychology Credit	3.0 3.0 4.0 4.0 4.0 1.0 3.0 3.0
UCATION REQUIREMENTS ERAL ARTS ELECTIVE: 4	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part II ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I Lab PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics OUTSIDE OF MAJOR: 3 Credits PY103: Introduction to Psychology Credit (b)	3.0 3.0 4.0 4.0 4.0 1.0 3.0 3.0
UCATION REQUIREMENTS ERAL ARTS ELECTIVE: 4	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part II ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics OUTSIDE OF MAJOR: 3 Credits PY103: Introduction to Psychology Credit (b)	3.0 3.0 4.0 4.0 4.0 1.0 3.0 3.0
JCATION REQUIREMENTS ERAL ARTS ELECTIVE: 4 () Students desiring certificat () The following disciplines ar iminal Justice (CJ), Educatio	IREMENTS: 6 Credits ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part II ED370: Teaching Secondary Science, Part II or ED376: Secondary Teaching Methods Part II ICE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits MA125: Calculus with Analytic Geometry I MA126: Calculus with Analytic Geometry II PH211: General Physics and Calculus I PH211L: General Physics with Calculus I Lab PH212: General Physics with Calculus II PH212L: General Physics with Calculus II PH301: Modern Physics PH302: Applied Physics OUTSIDE OF MAJOR: 3 Credits PY103: Introduction to Psychology Credit (b)	3.0 3.0 4.0 4.0 4.0 1.0 3.0 3.0

MONMOUTH UNIVERSITY CURRICULUM CHARI

MONMOUTH UNIVERSITY

Office of Registration and Records West Long Branch, NJ 07764 - 1898

Curriculum Chart 2008-2009

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B.S. in Chemistry and Education with Endorsement in Secondary Education in Physical Sciences				
GENERAL EDUCATION REQUIREMENTS: 33 Credits Credits			Credits	
English		EN101: College English I EN102: College English II	3.0 3.0	
Literature		EN201: Literature I EN202: Literature II	3.0 3.0	
History		HS101: Western Civilization In World Perspective I HS102: Western Civilization In World Perspective II	3.0 3.0	
Information Technology		IT102: Information Technology for Scientists	3.0	
Critical Discourse		HU201: Critical Discourse (waived)	0.0	
Science		Fulfilled in Major Requirements	0.0	
Mathematics		Fulfilled in Requirements Outside Major	0.0	
Social Science (partially fulfilled in Outside the Major Requirements)		Choose one course from among the following: any 100-level courses in AN, GO, PS, SO; BE201, BE202, GS225.	3.0	
Aesthetics	or	AR101: Art Appreciation MU101: Music Appreciation TH101: Theater Appreciation DA101: Dance Appreciation	3.0	
Cross Cultural	or	One course chosen from the sent of approved courses 3 credits in a foreign language	3.0	
Perspectives		PRxxx	3.0	
Experiential Education		EX001	0.0	
Demonstration of Writing Proficiency		WP001	0.0	
Writing Intensive Requirement		Two Chemistry (CE) courses designated as course type WT	0.0	
		Two Education (ED, EDL, EDS) courses designated as course type WT	0.0	

TOTAL CREDITS FOR B.S. IN CHEMISTRY AND EDUCATION

WITH ENDORSEMENT IN SECONDARY EDUCATION IN PHYSICAL SCIENCES = 128.0

ADDITIONAL ENDORSEMENTS AVAILABLE

(Please review Endorsement Charts for Requirements)

- Teacher of Students with Disabilities Secondary (15 credits)
 - English as a Second Language Secondary (12 credits)

NOTES:

- * 58 credits must be completed at the 200 level or higher.
- ** Education majors are required to have an overall GPA of 2.75 for State Certification.
- ***By state regulation, all Education Majors seeking content area endorsement must complete 12+credits at the 300+ level in the content major.