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

CP09EDS09GE09

	n Secondary Education and Physical Sciences		
JOR REQUIREMENTS/CHE		Credits	
	CE111: General Chemistry I CE111L: General Chemistry I Lab	3. 1.	
	CE112: General Chemistry II	3.	
	CE112L: General Chemistry II Lab	1.	
	CE221: Quantitative Analysis	2.	
	CE221L: Quantitative Analysis Lab	2.	
	CE241: Organic Chemistry I	3.	
	CE241L: Organic Chemistry I Lab	2.	
	CE242: Organic Chemistry II	3.	
	CE242L: Organic Chemistry II Lab	2.	
	CE311: Chemical Literature	1.	
	CE322: Instrumental Analysis CE372: Physical Chemistry: Intro. To Spectroscopy and	4.	
	Quantum Chemistry	3.	
	CE372L: Physical Chemistry: Intro. To Spectroscopy and	1.	
	Quantum Chemistry Lab		
	CE410: Seminar	1.	
	CExxx: 3 credit 400-Level Elective (except CE499)	3.	
ICATION MA IOD DEGUIDE	IMPAITS: 24 Cradite (b)	Cradit	
JCATION MAJOR REQUIRE	ED250: Foundations of Teaching & Learning	Credit 3.	
	ED250: Foundations of Feaching & Learning ED201: Education Psychology	3.	
	EDL206: Child & Adolescent Development	3.	
	ED319: Literacy Across the Secondary Curriculum	3.	
	ED319N: NCATE Assessment	0.	
	ED320: Teaching Students with Diverse Needs	3.	
O are dita as fallous.	ED446: Student Teaching (9 aredita) AND		
9 credits as follows:	ED416: Student Teaching (8 credits) AND ED416S: Seminar in Student Teaching (1 Credit)		
	OR	9.	
	ED417: Supervised Student Teaching (8 credits) AND	9.	
	ED417S: Seminar in Student Teaching (1 Credit)		
JCATION METHODS REQU	• /	Credit	
	ED369: Teaching Secondary Science, Part I or ED375: Secondary Teaching Methods Part I	3.	
	of ED373. Secondary readming Methods Fait I		
	ED370: Teaching Secondary Science, Part II	3.	
	or ED376: Secondary Teaching Methods Part II		
	, ,		
	ED-PRAXIS: Education Praxis II	0.	
	• PRAXIS - 20245		
	• PRAXIS - 10435		
	• PRAXIS - 10265		
HEMISTRY-PHYSICAL SCIENCE REQUIREMENTS OUTSIDE OF MAJOR: 24 Credits		Credit	
	MA125: Calculus with Analytic Geometry I	4.	
	MA126: Calculus with Analytic Geometry II	4.	
	PH211: General Physics and Calculus I	4.	
	PH211L: General Physics with Calculus I Lab	1.	
	PH212: General Physics with Calculus II	4.	
	PH212L: General Physics with Calculus II Lab PH301: Modern Physics	1. 3.	
	PH301: Modern Physics PH302: Applied Physics	3.	
		Credit	
	DUCATION REQUIREMENTS OUTSIDE OF MAJOR: 3 Credits		
JCATION REQUIREMENTS	Exalts introduction to Developer	3.	
JCATION REQUIREMENTS	PY103: Introduction to Psychology		
JCATION REQUIREMENTS EE ELECTIVES: 3 Credits	F1103. Introduction to Esychology	Credit	
		Credit	

MONMOUTH UNIVERSITY

Curriculum Chart 2009-2010

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

ORR 05/09