CE00EDE08GE08

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

dits 3.0 1.0 3.0 1.0 2.0 2.0 3.0 2.0 1.0 3.0 3.0 3.0	
1.0	
1.0 3.0 lits 3.0 3.0 3.0 0.0 3.0 0.0 3.0 0.0 0.0 0.0	
4.0	
4.0 4.0 1.0 4.0 1.0	
3.0 3.0	
3.0 lits	
0	
1	

MONMOUTH UNIVERSITY CURRICULUM CHART

B.S. ir	Chemistry and Education with Endorsement				
D.O. II	in Elementary Education				
CHEMISTRY MAJOR REQUIRE	,	Credits			
	CE111: General Chemistry I CE111L: General Chemistry I Lab CE112: General Chemistry II CE112L: General Chemistry II CE112L: General Chemistry II Lab CE221: Quantitative Analysis CE221L: Quantitative Analysis Lab CE241: Organic Chemistry I CE241L: Organic Chemistry I Lab CE242: Organic Chemistry II CE242L: Organic Chemistry II CE242L: Organic Chemistry II Lab CE311: Chemical Literature CE322: Instrumental Analysis CE372: Physical Chemistry: Intro. To Spectroscopy and Quantum Chemistry CE372L: Physical Chemistry: Intro. To Spectroscopy and Quantum Chemistry Lab CE410: Seminar	3.0 1.0 3.0 1.0 2.0 2.0 3.0 2.0 3.0 2.0 1.0 3.0			
	CExxx: 3 credit 400-Level Elective (except CE499)	3.0			
EDUCATION MAJOR REQUIRE		Credits			
	ED250: Foundations of Teaching & Learning EDL326: Literacy Instruction in Educational Settings, P-5 EDL327: Literacy Instruction in Educational Setting (5-12) EDL327N: NCATE Assessment ED320: Teaching Children with Diverse Needs ED360: Methods of Teaching Elementary Math ED360N: NCATE Assessment ED361: Methods of Teaching Elementary Science ED361N: NCATE Assessment ED362: Methods of Teaching Elementary Social Studies ED362N: NCATE Assessment	3.0 3.0 0.0 3.0 0.0 3.0 0.0 3.0 0.0			
	ED-PRAXIS: Education Praxis II • PRAXIS - 10014	0.0			
9 credits as follows:	ED416: Student Teaching (8 credits) <u>AND</u> ED416S: Seminar in Student Teaching (1 Credit) OR ED417: Supervised Student Teaching (8 credits) <u>AND</u> ED417S: Seminar in Supervised Stud. Teaching (1 credit)	9.0			
CHEMISTRY OUTSIDE OF THE	MAJOR REQUIREMENTS: 18 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	4.0 4.0 4.0 1.0 4.0 1.0			
EDUCATION OUTSIDE OF THE	MAJOR REQUIREMENTS: 9 Credits				
	PY103: Introduction to Psychology PY201: Educational Psychology PY203: Child Psychology	3.0 3.0 3.0			
LIBERAL ARTS, MATH, SCIEN	CE ELECTIVES: 4 Credits (b)	Credits 4.0			
		4.0			

⁽a) Students desiring certification by the ACS should enroll in the BS.CE ACS program

⁽b) The following disciplines are not considered Liberal Arts: Business (BA,BE,BF,BK,BL,BM), Criminal Justice (CJ), Education (ED), Nursing(NU), Physical Education (PE), Free Electives (FE) or Social Work (SW). However, BE 20 and BE 202, Micro and Macro Economics, are considered Liberal Arts Electives.

B.S. in Chemistry and Education with Endorsement in Elementary Education GENERAL EDUCATION REQUIREMENTS: 33 Credits Credit

SENERAL EDUCATION REQUIREMENTS: 33 Credits		Credits	
English		EN101: College English I EN102: College English II	3.0 3.0
		EN 102. College English II	3.0
Literature		EN201: Literature I	3.0
		EN202: Literature II	3.0
History		HS101: Western Civilization In World Perspective I	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 following:	3.0
(partially fulfilled in Outside		any 100-level courses in AN, GO, PS, SO;	
the Major Requirements)		BE201, BE202, GS225.	
Aesthetics		AR101: Art Appreciation	
	or or	MU101: Music Appreciation TH101: Theater Appreciation	3.0
		DA101: Dance Appreciation	
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 Writing Proficiency		WP001	0.0
Writing Intensive		Two Chemistry (CE) courses designated as course type WT	0.0
Requirement		Two Education /ED EDI EDC) courses designated as a course two NAT	0.0
		Two Education (ED, EDL, EDS) courses designated as course type WT	0.0 0.0
	1		

TOTAL CREDITS FOR B.S. IN CHEMISTRY AND EDUCATION WITH ENDORSEMENT IN ELEMENTARY EDUCATION: 128 Credits

ADDITIONAL ENDORSEMENTS AVAILABLE:

(Please review Endorsement Charts for Requirements)

- TSD Teacher of Students with Disabilities Elementary (12 credits)
 - ESL English as a Second Language Elementary (12 credits)
 - MID-SCI Middle School Science (6 credits)

NOTES:

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