

MONMOUTH UNIVERSITY
Office of Registration & Records
Sequence Chart 2009-2010

CP09EDS09GE09

**Academic Program: B.S. in Chemistry and Education with Endorsement in
Secondary Education in Physical Science**

Semester 1

| COURSE | TITLE | CREDITS |
|------------|---------------------|-----------|
| EN101 | College English I | 3 |
| CE111/111L | Gen Chem I & Lab | 4 |
| PY103 | Intro to Psychology | 3 |
| LC100 | Freshman Seminar | 1 |
| MA125 | Calc W/ Anal Geom | 4 |
| | | |
| | TOTAL | 15 |

Semester 2

| COURSE | TITLE | CREDITS |
|------------|---------------------------|-----------|
| EN102 | College English II | 3 |
| MA126 | Calc w/ Anal Geom 2 | 4 |
| CE112/112L | Gen Chem II & Lab | 4 |
| ED201 | Educational Psychology | 3 |
| IT102 | Info. Tech for Scientists | 3 |
| | | |
| | TOTAL | 17 |

Semester 3

| COURSE | TITLE | CREDITS |
|--------|------------------------|-----------|
| ED250 | Found Tchg & Learning | 3 |
| CE241 | Organic Chem I | 3 |
| CE241L | Organic Chem I Lab | 2 |
| PH211 | Gen Phys w/Calc I | 4 |
| PH211L | Gen Phys w/ Calc I lab | 1 |
| CE221 | Quantitative Analysis | 2 |
| CE221L | Quantitative Anal Lab | 2 |
| | | |
| | TOTAL | 17 |

Semester 4

| COURSE | TITLE | CREDITS |
|--------|----------------------------|-----------|
| CE242 | Organic Chem II | 3 |
| CE242L | Organic Chem II Lab | 2 |
| ED319 | Content Literacy | 3 |
| ED319N | NCATE Assessment | 0 |
| ED320 | Teach. Stud. w/Div Needs | 3 |
| PH212 | Gen Phys w/Calc 2 | 4 |
| PH212L | Gen Phys w/ Calc 2 lab | 1 |
| WT001* | Two Writ. Int. Courses Ed. | 0 |
| | | |
| | TOTAL | 16 |

Semester 5

| COURSE | TITLE | CREDITS |
|-------------------------------|---|-----------|
| EDL 206 | Child and Adolescent Dev. | 3 |
| HS101 | Western Civ I | 3 |
| ED370 or ED376 (Term B) | Sec. Science Methods II or Sec. Teaching Methods I | 3 |
| CE372 | Spec & Quant Chem | 3 |
| CE372L | Spec & Quant Chem Lab | 1 |
| ED369 or ED375 (Term A) | Sec. Science Methods I or Sec. Teaching Methods I | 3 |
| WT001* | Writing Intensive Course in Chemistry | 0 |
| | | |
| | TOTAL | 16 |

Semester 6

| COURSE | TITLE | CREDITS |
|------------|--|-----------|
| CE311 | Chemical Lit | 1 |
| EN201 | Literature 1 | 3 |
| Aesthetics | AR/MU/TH/DA101 | 3 |
| HS102 | Western Civ 2 | 3 |
| ** | Cross Cultural Requirement | 3 |
| CE322 | Instrumental Analysis | 4 |
| WT001* | Writing Intensive Course in Chemistry | 0 |
| ED-PRAXIS | Education Praxis II | 0 |
| | | |
| | TOTAL | 17 |

Semester 7

| COURSE | TITLE | CREDITS |
|-----------|----------------------------|-----------|
| ** | Social Science Requirement | 3 |
| CE410 | Seminar | 1 |
| CE4XX | Elective (Except 499) | 3 |
| PH301 | Modern Physics | 3 |
| EN202 | Literature II | 3 |
| Electives | | 2 |
| PRxxx | Perspectives Course | 3 |
| | | |
| | TOTAL | 18 |

Semester 8

| COURSE | TITLE | CREDITS |
|---------------------|--|-----------|
| | | |
| ED416 or ED417 | Student Teaching or Supervised Teaching | 8 |
| ED416s or ED417s | Seminar in Stud. Teach. Or Seminar in Supervised Tch. | 1 |
| PH302 | Applied Physics | 3 |
| | | |
| | | |
| | | |
| | | |
| | TOTAL | 12 |

TOTAL CREDITS 128

*See WEBadvisor "Sections Offered by Term" for complete listing of courses with type:

CC: Cross-Cultural
WT: Writing Intensive

**Social Sciences: See curriculum chart for choices.