**CHEMISTRY –Business Option**

**(B.S., CHMBD)**

**124 credits**

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##### **First-year Seminar:**

PSU 007 \_\_\_ (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### **Communications(GWS):**

ENGL 015 \_\_\_ (3)

ENGL 202D \_\_\_ (3) §

CAS 100 \_\_\_ (3)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### **Quantification(GQ):**

MATH 140 \_\_\_ (4) §

MATH 141 \_\_\_ (4) §

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### **Natural Sciences(GN):**

PHYS 211 \_\_\_ (4) §

PHYS 212 \_\_\_ (4) §

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### **Arts(GA):**

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (3)

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (3)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### **Humanities(GH):**

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (3)

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (3)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### **Social and Behavioral Sciences(GS):**

ECON 102 \_\_\_ (3) §

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (3)

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##### **Health and Activity(GHA):**

BB H/KINES/ESACT

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (1.5)

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (1.5)

##### **Prescribed Courses: 54 cr.**

CHEM 110 \_\_\_ (3) §

CHEM 111 \_\_\_ (1) §

CHEM 112 \_\_\_ (3) §

CHEM 113 \_\_\_ (1) §

CHEM 210 \_\_\_ (3) §

CHEM 212 \_\_\_ (3) §

CHEM 213 \_\_\_ (2) §

CHEM 221 \_\_\_ (4) §

CHEM 316 \_\_\_ (1)

CHEM 400 \_\_\_ (1)

CHEM 413 \_\_\_ (4)

CHEM 431W \_\_\_ (3)

CHEM 440 \_\_\_ (3)

CHEM 441 \_\_\_ (1)

CHEM 443 \_\_\_ (1)

CHEM 457 \_\_\_ (1)

CHEM 472 \_\_\_ (3)

CHEM 496 \_\_\_ (3)

MGMT 301 \_\_\_ (3)

MKTG 301 \_\_\_ (3)

STAT 401 \_\_\_ (3)

SCM 200 \_\_\_ (4) §

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##### **Additional Courses: 22-23 cr.**

Select 3 credits:

CHEM 450 \_\_\_ (3)

CHEM 452 \_\_\_ (3)

Select 9-11 credits in one of the following sequences:

1. SCM 310 \_\_\_ (3)

MGMT 331 \_\_\_ (3)

MGMT 410 \_\_\_ (3)

MGMT 420 \_\_\_ (3)

b) MKTG 342 \_\_\_ (3)

MKTG 330 \_\_\_ (3)

MKTG 327 \_\_\_ (3)

MKTG 410 \_\_\_ (3)

MKTG 428 \_\_\_ (3)

c)CMPSC 203 \_\_\_ (4)

MIS 204 \_\_\_ (3)

MIS 336 \_\_\_ (3)

MIS 430 \_\_\_ (3)

MIS 445 \_\_\_ (4)

d) One selection each election

from a), b) and c) above

Select 6 cr. of 400-level CHEM courses excluding 494, 495, 496.

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ ( )

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ ( ) \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ ( )

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##### **Supporting Courses and Related Areas: 6 credits**

Select 6 credits from a School-approved list. May apply up to 6 credits of ROTC.

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ ( )

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ ( )

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ ( )

\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ ( )

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##### **Writing Intensive Course:**

CHEM 431W \_\_\_ (3)

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##### ‡**United States (US)**

##### **and International (IL) Cultures:**

US \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (3)

IL \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ (3)

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§Grade of C or higher is required.

‡This requirement can be fulfilled from choices in GA, GH, or GS

Students graduating from this major must achieve a minimum grade-point average of at least 2.00; achieve an overall grade-point average of at least 2.00 within the Prescribed, Additional, and Supporting courses in the Requirements for the major, including chosen Options, if any; and earn a C grade or better in all 300- and 400-level courses within these same Prescribed, Additional, and Supporting courses. If a student receives a grade below C, he/she must repeat that course or a School Approved alternative, and earn a grade of C or better.

**Effective Summer 2012 Revised 2/4/13**