REQUIRED AND SUPPORTING COURSES FOR FORENSIC SCIENCE BIOLOGY OPTION 2012

**LIST A: Required Additional Course (Select 3 credits)**

- BMB 402 (3) General Biochemistry II
- BMB 428 (3) Physical Chemistry with Biological Applications
- BMB 433 (3) Molecular and Cellular Toxicology
- BIOL 405 (3) Molecular Evolution
- BIOL 422 (3) Advanced Genetics
- BIOL 460 (3) Human Genetics

**LIST B: Recommended Supporting Courses (Select 9 credits)**

- ANTH 411 (3) Skeletal Forensic Anthropology (Prerequisite of ANTH 021, waived by department)
- BB H 440 (3) Principles of Epidemiology
- BIOL 428 (3) Population Genetics (Prerequisite of BIOL 220W)
- BIOL 472 (3) Mammalian Physiology (Prerequisite of BIOL 240W)
- CHEM 227 (4) Analytical Chemistry
- FRNSC 427W (4) Forensic Chemistry (Prerequisite of CHEM 227)
- CRIM 423 (3) Sexual Violence (Prerequisite of CRIM 100 and WMNST 001)
- CRIM 425 (3) Organized Crime (Prerequisite of CLJ 250W)
- CRIM 432 (3) Crime and the American Court System (Prerequisite of CRIM 100)
- ENT 313 (2) Introduction to Entomology
- ENT 410 (3) Insect Structure and Function (Prerequisite of BIOL 220W and 240W)
- FRNSC 496 (3-4) Independent Research
- MICRB 410 (3) Principles of Immunology
- PHIL 221 (3) Philosophy of Science
- PHYS 213 (2) Fluids and Thermal
- PHYS 214 (2) Wave Motion and Quantum
- PSYCH 462 (3) Behavioral Genetics
- PSYCH 470 (3) Abnormal Psychology
- SPAN 001 or 002 (4) Elementary Spanish I or II (Depending on HS background/placement)
- WMNST 423 (3) Sexual and Domestic Violence (Prerequisite of CRIM 100 or WMNST 001)
- WMNST 453 (3) Women and the Criminal Justice System (Prerequisite of CRIM 100 or WMNST 001)

**LIST C: Courses or credits that cannot be used for the Supporting Course Category**

- ASTRO 001, 010, 011, 120, 130, 140; BI SC 001, 002, 003, 004; BIOL 003, 011, 012, 020, 027, 033, 055
- BMB 001, 211, 212, 221; CHEM 001, 002, 006, 011, 034, 035, 102, and only 3 credits of 017
- CMPSC 001, 100; ENGL 004, 005; ESL 004; LL ED 005, 010
- MATH 001, 002, 003, 004, 017, 018, 021, 022, 026, 030, 035-037, 040, 041, 081-083, 110, 111, 200, and only 4 credits of 140A
- MICRB 106, 107, 150, 151; PH SC 007; PHYS 001, 150, 151; STAT 100
- No more than 6 credits of 1) ROTC, 2) INTERNSHIP (practica or cooperative education), or 3) 496 research or comparable
- No advanced standing transfer coursework for which general, rather than specific, credit was awarded without approval

**Required Courses for Minor in Biochemistry and Molecular Biology (18-20 credits)(See on-line Bulletin for details)**

* Taken as part of the Forensic Science Major, Biology Option

- BMB 251(3)*, 252(3) - Molecular and Cell Biology I and II (BMB 251 can replace BIOL 230W with approval); BMB 342(3)* - Proteins/Nucleic Acids Laboratory; BMB 400(3)* - Molecular Biology of the Gene; BMB 401(2)*, 402(3) – General Biochemistry I and II; One additional 1-3 credit 400-level BMB course (suggest BMB 428, Prerequisite of 220W)