Major in Clinical Laboratory Sciences
School of Health Technology and Management

Information and program requirements for the major in Clinical Laboratory Sciences may be found in the Health Sciences Bulletin, available online at http://www.stonybrook.edu/hsbulletin/schools/health-tec-management/degrees-programs.php#Clinical Laboratory Sciences, BS

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HAD

Clinical Laboratory Sciences

HAD 210: Introduction to Clinical Laboratory Sciences
Defines basic clinical laboratory sciences terminology and application. Introduces the specialties within the clinical laboratory sciences profession including microbiology, hematology, chemistry, immunohematology, and immunology and their roles in patient care. Reviews professional organizations and licensures. Examines employment opportunities. Visitation of clinical laboratories included. This course is not eligible for the G/P/NC option. Open to west campus students.
1 credit

HAD 302: Fundamental Concepts in Forensic Science
Introduces specialties within the broad definition of forensic science including criminalistics, crime scene analysis, physical evidence, instrumentation, drug analysis, and biological sciences. Explores up-to-date technologies utilized in crime laboratories to apprehend criminals and to exonerate the innocent. Includes DNA testing, the DNA national database (CODIS), finger print data bank (AFIS), the fired bullet data bank (IBIS), trace evidence techniques, and high-tech advances in crime scene investigation. Not to be taken for credit if completed HAD 304. This course is not eligible for the G/P/NC option. Open to west campus students.
3 credits

HAD 304: Intro to Forensic Science
Introduces the student to forensic science. Describes the interesting and diverse disciplines that comprise the field. Addresses the value of all physical evidence to criminal and civil investigations. Emphasizes forensic biology and chemistry, and the role of the forensic laboratory in the process of criminal investigation. This course is not eligible for the G/P/NC option. Open to west campus students.
1 credit

HAD 316: General Microbiology
Presents the biology of eukaryotic and prokaryotic microorganisms with special consideration to the microbial form, structure, function, physiology, metabolism, growth and genetics of bacteria, parasites, fungus and viruses. Introduces the world of microbiology with a human perspective providing a solid foundation in health related aspect of microbiology. Prerequisites: BIO 202, CHEM