Doisy College of Health Sciences

The Doisy College of Health Sciences incorporates Saint Louis University’s long standing tradition of excellence in health care education with modern innovations in interprofessional education, research and service. The College’s seven units include the Departments of Clinical Laboratory Science (1929), Health Informatics and Information Management (1936), Medical Imaging and Radiation Therapeutics (1981), Nutrition and Dietetics (1934), Occupational Science and Occupational Therapy (1992), Physician Assistant Education (1971), and Physical Therapy and Athletic Training (PT-1933; AT-2008). The College offers twenty-two undergraduate, graduate, professional and certificate programs in these departments. Many of the departments are nationally ranked and all of them have a reputation for excellence in professional education.

Understanding the unique contributions of various health care professionals is important for meeting the needs of an increasingly complex patient population. Students in the Doisy College learn how to work in collaborative health care teams to provide outstanding health care through participation in the Interprofessional Education Program (IPE). Because Doisy College offers an impressive variety of health profession majors of the highest quality, the activities in the IPE program will broaden the student’s understanding of health care, and suggest great possibilities for improvement when professionals learn to work together. Working in teams on patient cases both real and imagined, investigating the literature for the latest scientific insight, attending patient-care rounds and considering ethical issues in our health care system are just a few of the many ways the IPE Program will enrich a student’s understanding. The IPE Program opens a student’s mind to multiple perspectives which include the widest overview of our complex health care delivery system, to the simple reality of the patient standing before the health care team in need of assistance.

The typical program for the undergraduate student includes course work at both the Medical Center and north sides of the campus as well as clinical experiences at one or more of the College’s numerous affiliated clinical institutions and professional practice settings spread throughout the United States and international sites.

Special Admission Requirements and Procedures

Admission requirements and procedures for the programs vary, and prospective students should contact the individual departments for guidance. Many state and national licensing and governing organizations will not grant a license, certification, registration, or other similar document to practice the respective profession if one is convicted of a felony and in some cases a misdemeanor. All students are required to complete a criminal background check prior to the first clinical practicum. Additional criminal background checks may be required based on the contractual agreements with the College clinical affiliates. Further, drug screening is required for clinical practicum work. Prospective applicants are encouraged to consult with the chosen professional governing or licensing organization for more detailed information before applying. Students may be responsible for transportation and housing expenses during the clinical component of their learning.

Students may enter the Occupational Science Program at the freshman, sophomore and junior transfer levels on a rolling admission basis through the Office of Undergraduate Admissions. Students with related degrees who seek entrance to the Master’s Degree program are encouraged to contact the department for assistance with the planning and coordination of their application through the Graduate School Admissions office. Enrollment capacity is limited; therefore, early application is strongly encouraged.

Occupational Science Students have the option to choose the Bachelor of Science in Occupational Science (BSOS) degree with a Pre-PA track. Please contact the Department of Occupational Science & Occupational Therapy advisor for the Typical Course of Study for the specific requirements. After successful completion of the Pre-PA track and the BSOS degree, the student is guaranteed a place in the PA Graduate program.

The Doctor of Physical Therapy Program is a freshman entry six-year curriculum. Students desiring a major in physical therapy should apply to that program as entering freshmen, as transfer admission into the program is very limited. The admissions process in physical therapy is competitive and all application materials for incoming freshmen applicants to the Physical Therapy program are due in the fall semester. Due dates for applications are
available on the program in Physical Therapy website (pt.slu.edu).

For the Physical Therapy major students also considering careers as a Physician Assistant or in Medicine, there are Pre-Physician Assistant (P.A.) and Pre-Medicine tracks available. These alternate curricular tracks prepare the students with prerequisite coursework for physical therapy, physician assistant, and medical school curricula. Information regarding these additional tracks are available at the Physical Therapy website (pt.slu.edu).

All application materials for freshman applicants to the six year Doctor of Physical Therapy program must be completed and received by the Office of Undergraduate Admissions. Students desiring a major in physical therapy should apply to that program as entering freshmen, since spaces for transfer into physical therapy are limited.

The new Master of Athletic Training program which is planned to be implemented in Fall 2008 is designed both as a freshman entry five-year curriculum and a stand alone two year post-baccalaureate program. Students desiring an undergraduate major in athletic training should apply to that program as entering freshmen, as transfer admission is also likely to be limited. The admissions process in the Athletic Training Education Program is competitive and all application materials for incoming freshman applicants to the Athletic Training program should be submitted in the fall semester. Due dates for applications are available on the Office of Undergraduate Admission web site.

Saint Louis University sophomore students seeking acceptance into the Pre-Physician Assistant Scholars Track should contact the department directly or visit the PA Program web site (http://prepa.slu.edu) for information on admission requirements and degree options. Applicants seeking admission to the masters level (M.M.S.) Physician Assistant Program should contact the PA department or visit the PA Program web site (http://prepa.slu.edu) for information.

Transfer applicants for the Nuclear Medicine Technology and Radiation Therapy Programs should consult the Department of Medical Imaging and Radiation Therapeutics directly for application materials and information on procedures and freshmen deadlines.

Applications to the Certificate Program in Clinical Laboratory Science should be received by the Office of Undergraduate Admission by May 1 to be considered for the August class. Applications for the Certificate Program in Cytotechnology should be received by March 1 to be considered for the June class. Applications received after these dates will be reviewed only if spaces remain available.

The Doisy College of Health Sciences requires natural science courses in biology and chemistry. For admission to the Physical Therapy program, four years of mathematics and two years of science in addition to biology and chemistry are required, and it is strongly recommended that one of those additional years be high school physics. For Occupational Science, three years of natural science, three years of math courses and four years of English courses are required. There are also minimum GPA requirements for every program of study in order to be considered for admission. Please see the table below for specific information.

<table>
<thead>
<tr>
<th>Minimum GPA Requirement For Admission Consideration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program</td>
</tr>
<tr>
<td>Clinical Laboratory Science</td>
</tr>
<tr>
<td>Cytotechnology</td>
</tr>
<tr>
<td>Investigative and Medical Sciences</td>
</tr>
<tr>
<td>Health Information Management</td>
</tr>
<tr>
<td>Nuclear Medicine Technology</td>
</tr>
<tr>
<td>Nutrition and Dietetics</td>
</tr>
<tr>
<td>Occupational Science and Occupational Therapy</td>
</tr>
<tr>
<td>Physical Therapy</td>
</tr>
<tr>
<td>Radiation Therapy</td>
</tr>
<tr>
<td>Athletic Training</td>
</tr>
<tr>
<td>Undecided</td>
</tr>
</tbody>
</table>

**Degrees Offered**
The Doisy College of Health Sciences offers programs that lead to the following degrees and certificates:

**Doctor of Physical Therapy**
Physical Therapy

**Master of Athletic Training**
Athletic Training

**Master of Health Informatics**
Health Informatics and Information Management
Master of Medical Science  
Physician Assistant

Master of Occupational Therapy (Entry Level)  
Occupational Therapy

Master of Physical Therapy (Entry Level) †  
Physical Therapy

Bachelor of Science Degree (B.S.)  
Clinical Laboratory Science  
Cytotechnology  
Investigative and Medical Sciences  
Health Information Management  
Nuclear Medicine Technology  
Nutrition and Dietetics  
Nutrition and Dietetics, Culinary emphasis  
Occupational Science‡  
Radiation Therapy  
Exercise Science§

* The first freshman class will be enrolled in the athletic training program in Fall 2008 with anticipated graduation in May 2013

† The last Master of Physical Therapy class will graduate in January 2009

‡ This degree provides the undergraduate foundation for the Master’s in Occupational Therapy degree and is also open to other undergraduate students.

§ This degree is only available to students enrolled in the Department of Physical Therapy and Athletic Training and is conferred after students successfully complete the baccalaureate phase of their respective curricula.

Certificate Programs

Clinical Laboratory Science  
(Post-baccalaureate Categorical)  
Clinical Chemistry  
Clinical Hematology  
Clinical Microbiology  
Cytotechnology (Post-baccalaureate)

Health Information Management  
Business Administration (with JCSB)  
Management Information Systems (with JCSB)  
Health Information Management

Nuclear Medicine Technology  
Business Administration (with JCSB)  
Health Informatics and Information Management  
Nuclear Medicine Technology

Nutrition and Dietetics  
Dietetic Internship Verification Statement  
Didactic Program in Dietetics Verification Statement

Radiation Therapy  
Business Administration (With JCSB)  
Health Informatics and Information Management

JSCB - John Cook School of Business

Accreditation of Programs

Programs of the Doisy College of Health Sciences are accredited by the respective accreditation agencies as follows:

Athletic Training  
(Not yet accredited as program is under development)  
Commission on Accreditation of Athletic Training Education  
2201 Double Creek Drive, Suite 5006  
Round Rock, TX 78664  
(512)733-9700

Clinical Laboratory Science:  
National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)  
8410 West Bryn Mawr Avenue, Suite 670  
Chicago, IL 60631  
(773) 714-8880

Cytotechnology:  
Commission on Accreditation of Allied Health Education Programs (CAAHEP) through the American Society of Cytopathology (ASC), Cytotechnology Programs Review Committee (CPRC)  
400 West 9th, Street Suite 201  
Wilmington, DE 19801-1555  
(312)553-9355

Health Informatics & Information Management:  
Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

Nuclear Medicine Technology:  
The Joint Review Committee on Educational Programs in Nuclear Medicine Technology  
PMB 418 #1 2nd Avenue East, Suite C  
Polson, Montana 59860-2107  
(406) 883-0003
Nutrition and Dietetics:
The Commission on Accreditation/Approval for
Dietetics Education of The American Dietetic
Association.
Commission on Accreditation for Dietetics Education
of the American Dietetic Association
216 W. Jackson Blvd.
Chicago, IL 60606-6995
(312) 899-5400

Occupational Therapy:
Accreditation Council for Occupational Therapy
Education, (ACOTE), American Occupational
Therapy Association, (AOTA)
4720 Montgomery Lane
P.O. Box 31220
Bethesda, MD 20824-1220
(301) 652-2682

Physical Therapy:
Commission on Accreditation in Physical Therapy
Education (CAPTE)
American Physical Therapy Association (APTA)
1111 N. Fairfax Street
Alexandria, VA 22314
(703) 706-3245

Physician Assistant:
Accreditation Review Commission on Education for
the Physician Assistant
12000 Findley Road, Suite 240
Duluth, GA 30097
(770) 476-1224

Radiation Therapy:
Joint Review Committee on Education in
Radiological Technology, (JRCERT),
20 N. Wacker Drive, Suite 2850
Chicago, Illinois 60606-3182
(312) 704-5300

General Core Requirements
Individual department core requirements may vary
from this model.

English (6 Hours)
ENGL 190 Adv Strategies Rhetoric & Research 3
ENGL 202-260 or 300-399 Literature Course 3

Fine Arts (3 Hours)

Philosophy and Theology (12 Hours)
PHIL 105 Intro Philosophy: Self & Reality 3
THEO 100 Theological Foundations 3
Additional hours in PHIL or THEO 6

History (3 Hours)
HIST 111 Origins of Modern World to 1500 3
HIST 112 Origins of Modern World since 1500 3

Social Science (3 Hours)

Mathematics (3 Hours Minimum)
MATH 120 College Algebra (or higher) 3

Biology (4 Hours)
BIOL 104 Principles of Biology I 4
OR
BIOL 110 Introduction to Biology 4

Chemistry (8 Hours)
CHEM 153 Principles of Chemistry I 4
CHEM 154 Principles of Chemistry II 4
OR
CHEM 163 General Chemistry I 3
CHEM 164 General Chemistry II 3
CHEM 165 General Chemistry I Lab 1
CHEM 166 General Chemistry II Lab 1

Anatomy and Physiology (7 Hours)
ANAT 100 Human Anatomy 3
PPY 254 Human Physiology 4

Interprofessional Education (11 Hours)
IPE 110 Intro to Interprofessional Health Care 1
IPE 350 Health Care System and Health Promotion 3
IPE 370 Health Care Ethics 3
IPE 460 Evidence-Based Health Care Practicum Experience 2
IPE 485 Integrative Interprofessional Practicum Experience 2

Total Hours 60

The Doisy College of Health Sciences requires that
the student maintain a grade point average of at least
2.50 for all programs and departments. Several
departments’ requirements vary from this standard.
Students should consult their major department for
specific academic requirements.

Visit the Doisy College of Health Sciences on the
web at: www.slu.edu/doisycollege/
Clinical Laboratory Science

Mary Lou Vehige, MA, MT(ASCP), CLS(NCA), Chair

The Department of Clinical Laboratory Science includes three separate degree programs: Clinical Laboratory Science, Cytotechnology, and Investigative and Medical Sciences. The Cytotechnology program also offers a post-baccalaureate Certificate in Cytotechnology. Pre-Medicine and Pre-Physician Assistant curricular tracks are options in all three programs. Consult the respective program’s website for more information.

Clinical Laboratory Science program website: http://www.slu.edu/x24731.xml
Cytotechnology Program Website: http://www.slu.edu/x16887.xml
Investigative and Medical Sciences program website: http://www.slu.edu/x24730.xml

Faculty:
Donna Duberg, MA, MS, MT(ASCP)SM, CLS(NCA)
Uthayashanker Ezekiel, PhD
Rita M. Heuertz, PhD, MT(ASCP)
Linda Hoechst, MA, SCT(ASCP), CT(IAC), Program Director-Cytotechnology
Mona Hebert, BS, MT(ASCP)CM, CLS(NCA)
Tim Randolph, PhD, MT(ASCP), CLS(NCA)
Mary Lou Vehige, MA, MT(ASCP), CLS(NCA), Program Director-Clinical Laboratory Science
Elizabeth Zeibig, PhD, MT(ASCP), CLS(NCA), Vice Chair

Clinical Laboratory Science Program Description:
The Bachelor of Science in Clinical Laboratory Science (CLS) curriculum provides students with a strong science background, medically applied courses, and a 21 week practicum in the clinical laboratory. CLS graduates are prepared to manage and conduct a wide spectrum of laboratory testing to include hematology, chemistry, microbiology, immunology, transfusion medicine, and molecular diagnostics. Results of these tests are used to evaluate the health status of individuals, diagnose disease, and monitor treatment efficacy. Progression through the program is based on meeting academic, psychomotor, and professional behavior requirements. Upon successful completion of the program, the graduate is eligible for national certification as a Clinical Laboratory Scientist. In addition to working in diagnostic, research and other laboratories, many graduates continue their education in medical school, graduate school, and other professional programs.

Cytotechnology Program Description:
The Bachelor of Science in Cytotechnology (CT) curriculum provides students with a strong science background, medically applied courses, and an 8 week practicum in the cytotechnology laboratory. CT graduates are prepared to manage and conduct the laboratory testing associated with detecting cell changes that indicate signs of pre-cancer or malignant growth. Testing includes sample/slide preparation, microscopic screening of slides, detection and identification of abnormal cells, and molecular diagnostics. The cytotechnologist works with the pathologist to recommend appropriate follow-up of abnormal findings. Progression through the program is based on meeting academic, psychomotor, and professional behavior requirements. Upon successful completion of the program, the graduate is eligible for national certification as a Cytotechnologist. In addition to working in diagnostic, research and other laboratories, many graduates continue their education in medical school, graduate school, and other professional programs.

Investigative and Medical Sciences Program Description:
The Bachelor of Science in Investigative and Medical Sciences (IMS) program is primarily designed as a preparatory degree for students planning advanced study, mainly in the medical sciences. The IMS curriculum offers a strong base in both basic and medically applied sciences. The curriculum provides graduates with the knowledge, skills, and attitudes that make them strong candidates for medical school, graduate school, or other professional programs. The curriculum requires a minimum of 18 flexible hours in an “Area of Concentration” (AOC) that can be used to earn a minor, certificate, or combined to meet personal and/or professional goals. Students are individually advised in selecting courses to meet the AOC requirement. While the IMS degree is NOT a forensic science degree, students can combine the degree with the Certificate in Forensic Science offered through the Department of Sociology and Criminal Justice to enhance their qualifications for employment or advanced study in forensics. Many curriculum tracks are available to include the Medical Scholar track. Progression through the program is based on meeting academic, psychomotor, and professional behavior requirements. Most IMS graduates pursue advanced study. However, some directly enter the workforce in fields such as medical research, pharmaceutical sales, and crime laboratories.
Clinical Laboratory Science (BS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 190</td>
<td>Adv Strategies of Rhetoric &amp; Research</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2XX</td>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 105</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>THEO 100</td>
<td>Theological Foundations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>RMET 410</td>
<td>Intro to Inferential Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 104</td>
<td>Principles of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 106</td>
<td>Principles of Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 302</td>
<td>Molecular Cell Biology I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 163</td>
<td>General Chemistry I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 166</td>
<td>General Chemistry II/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342/344</td>
<td>Prin of Organic Chemistry I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PPY 254</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>IPE 110</td>
<td>Intro to Interprofessional Health Care</td>
<td>1</td>
</tr>
<tr>
<td>IPE 350</td>
<td>Health Care System/Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>IPE 370</td>
<td>Health Care Ethics</td>
<td>3</td>
</tr>
<tr>
<td>IPE 460</td>
<td>Evidence-Based Practice</td>
<td>2</td>
</tr>
<tr>
<td>IPE 490</td>
<td>Integrative Interprofessional Practicum</td>
<td>2</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 65

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 301</td>
<td>Hematology &amp; Body Fluid</td>
<td>4</td>
</tr>
<tr>
<td>CLS 302</td>
<td>Hematology &amp; Body Fluid Lab</td>
<td>1</td>
</tr>
<tr>
<td>CLS 303</td>
<td>Immunohematology</td>
<td>3</td>
</tr>
<tr>
<td>CLS 304</td>
<td>Immunohematology Lab</td>
<td>1</td>
</tr>
<tr>
<td>CLS 305</td>
<td>Urinalysis</td>
<td>2</td>
</tr>
<tr>
<td>CLS 306</td>
<td>Hemostasis and Thrombosis</td>
<td>2</td>
</tr>
<tr>
<td>CLS 330</td>
<td>Clinical Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>CLS 331</td>
<td>Analytical Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>CLS 350</td>
<td>Medical Immunology Lec/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CLS 352</td>
<td>Medical Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>CLS 353</td>
<td>Medical Microbiology Lab</td>
<td>2</td>
</tr>
<tr>
<td>CLS 420</td>
<td>Medical Parasitology Lec/Lab</td>
<td>2</td>
</tr>
<tr>
<td>CLS 421</td>
<td>Medical Mycology</td>
<td>2</td>
</tr>
<tr>
<td>CLS 423</td>
<td>Clinical Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>CLS 425</td>
<td>Clinical Immunohematology</td>
<td>2</td>
</tr>
<tr>
<td>CLS 426</td>
<td>Research</td>
<td>3</td>
</tr>
<tr>
<td>CLS 429</td>
<td>Prin of Lab Management &amp; Education</td>
<td>2</td>
</tr>
<tr>
<td>CLS 440</td>
<td>Research Design/Critique/Presentation</td>
<td>3</td>
</tr>
<tr>
<td>CLS 470</td>
<td>Phlebotomy</td>
<td>0</td>
</tr>
<tr>
<td>CLS 471</td>
<td>Clin. Hematology/Chemistry/Urinalysis</td>
<td>5</td>
</tr>
<tr>
<td>CLS 472</td>
<td>Special Testing: Hemostasis/Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>CLS 473</td>
<td>Advanced Topics &amp; Case Correlations</td>
<td>3</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 61

**Total:** 133

Cytotechnology (BS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 190</td>
<td>Adv Strategies of Rhetoric &amp; Research</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2XX</td>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 105</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>THEO 100</td>
<td>Theological Foundations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>RMET 410</td>
<td>Intro to Inferential Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 104</td>
<td>Principles of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 106</td>
<td>Principles of Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 302</td>
<td>Molecular Cell Biology I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 163</td>
<td>General Chemistry I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 166</td>
<td>General Chemistry II/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342/344</td>
<td>Prin of Organic Chemistry I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PPY 254</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>IPE 110</td>
<td>Intro to Interprofessional Health Care</td>
<td>1</td>
</tr>
<tr>
<td>IPE 350</td>
<td>Health Care System/Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>IPE 370</td>
<td>Health Care Ethics</td>
<td>3</td>
</tr>
<tr>
<td>IPE 460</td>
<td>Evidence-Based Practice</td>
<td>2</td>
</tr>
<tr>
<td>IPE 490</td>
<td>Integrative Interprofessional Practicum</td>
<td>2</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 65

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 301</td>
<td>Hematology &amp; Body Fluid</td>
<td>4</td>
</tr>
<tr>
<td>CLS 302</td>
<td>Hematology &amp; Body Fluid Lab</td>
<td>1</td>
</tr>
<tr>
<td>CLS 303</td>
<td>Immunohematology</td>
<td>3</td>
</tr>
<tr>
<td>CLS 304</td>
<td>Immunohematology Lab</td>
<td>1</td>
</tr>
<tr>
<td>CLS 305</td>
<td>Urinalysis</td>
<td>2</td>
</tr>
<tr>
<td>CLS 306</td>
<td>Hemostasis and Thrombosis</td>
<td>2</td>
</tr>
<tr>
<td>CLS 330</td>
<td>Clinical Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>CLS 331</td>
<td>Analytical Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>CLS 350</td>
<td>Medical Immunology Lec/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CLS 352</td>
<td>Medical Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>CLS 353</td>
<td>Medical Microbiology Lab</td>
<td>2</td>
</tr>
<tr>
<td>CLS 420</td>
<td>Medical Parasitology Lec/Lab</td>
<td>2</td>
</tr>
<tr>
<td>CLS 421</td>
<td>Medical Mycology</td>
<td>2</td>
</tr>
<tr>
<td>CLS 301</td>
<td>Intro to Clinical Laboratory Science</td>
<td>1</td>
</tr>
<tr>
<td>CLS 350</td>
<td>Medical Immunology</td>
<td>4</td>
</tr>
<tr>
<td>CLS 352</td>
<td>Medical Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>CLS 353</td>
<td>Medical Microbiology Lab</td>
<td>2</td>
</tr>
<tr>
<td>CLS 440</td>
<td>Research Design/Critique/Presentation</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ANAT 100</td>
<td>Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>Management Elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Non-specified Electives</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 29
## Required Cytotechnology Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT 400</td>
<td>Introduction to Cytology</td>
<td>3</td>
</tr>
<tr>
<td>CT 410</td>
<td>Female Genital Tract I</td>
<td>3</td>
</tr>
<tr>
<td>CT 410</td>
<td>Female Genital Tract II</td>
<td>1</td>
</tr>
<tr>
<td>CT 411</td>
<td>Female Genital Tract III</td>
<td>3</td>
</tr>
<tr>
<td>CT 430</td>
<td>The Processing Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CT 440</td>
<td>Respiratory and Oral Cytology</td>
<td>3</td>
</tr>
<tr>
<td>CT 460</td>
<td>Body Fluid Cytology</td>
<td>3</td>
</tr>
<tr>
<td>CT 470</td>
<td>Gastrointestinal/Genitourinary Cyt.</td>
<td>3</td>
</tr>
<tr>
<td>CT 480</td>
<td>Fine Needle Aspiration Cytology</td>
<td>4</td>
</tr>
<tr>
<td>CT 490</td>
<td>Advanced Practices in Cytology</td>
<td>12</td>
</tr>
</tbody>
</table>

**SUBTOTAL:** 37

## Investigative and Medical Sciences (BS)

### ENGL 190
Adv Strategies of Rhetoric & Research 3

### ENGL 2XX
Literature 3

### Fine Arts Elective
3

### Social Science Elective
3

### PHIL 105
Introduction to Philosophy 3

### THEO 100
Theological Foundations 3

### Philosophy or Theology Elective
3

### MATH 141
Pre-Calculus 3

### RMET 410
Intro to Inferential Statistics 3

### BIOL 104
Principles of Biology I 4

### BIOL 106
Principles of Biology II 4

### BIOL 302
Molecular Cell Biology I 3

### CHEM 163
General Chemistry I/Lab 4

### CHEM 166
General Chemistry II/Lab 4

### CHEM 342/344
Prin of Organic Chemistry I/Lab 4

### PPY 254
Human Physiology 4

### IPE 110
Intro to Interprofessional Health Care 1

### IPE 350
Health Care System/Health Promotion 3

### IPE 370
Health Care Ethics 3

### IPE 460
Evidence-Based Practice 2

### IPE 490
Integrative Interprofessional Practicum 2

**SUBTOTAL:** 65

## Required Investigative and Medical Sciences Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 100</td>
<td>Intro to Clinical Laboratory Science</td>
<td>1</td>
</tr>
<tr>
<td>CLS 301</td>
<td>Hematology &amp; Body Fluids</td>
<td>4</td>
</tr>
<tr>
<td>CLS 302</td>
<td>Hematology &amp; Body Fluids Lab</td>
<td>1</td>
</tr>
<tr>
<td>CLS 350</td>
<td>Medical Immunology Lec/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CLS 352</td>
<td>Medical Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>CLS 353</td>
<td>Medical Microbiology Lab</td>
<td>2</td>
</tr>
<tr>
<td>CLS 440</td>
<td>Research Design/Critique/Presentation</td>
<td>3</td>
</tr>
<tr>
<td>CLS 441</td>
<td>(or 426) Senior Synthesis (or Research)</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus a **minimum of 8 hours** from the following list:

### CLS 303
Immunohematology 3

### CLS 304
Immunohematology Lab 1

### CLS 305
Urinalysis 2

### CLS 306
Hemostasis and Thrombosis 2

### CLS 330
Clinical Biochemistry 4

### CLS 331
Analytical Instrumentation 3

### Area of Concentration electives (minimum)
18

**SUBTOTAL:** 48

**Total:** 129

## Post-Baccalaureate Certificate in Cytotechnology

### CLS 440
Research Design/Critique/Presentation 3

### CT 400
Introduction to Cytology 3

### CT 410
Female Genital Tract I 3

### CT 411
Female Genital Tract II 1

### CT 420
Female Genital Tract III 3

### CT 430
The Processing Laboratory 2

### CT 440
Respiratory and Oral Cytology 3

### CT 460
Body Fluid Cytology 3

### CT 470
Gastrointestinal/Genitourinary Cytology 3

### CT 480
Fine Needle Aspiration Cytology 4

### CT 490
Advanced Practices in Cytology 12

**Total:** 40
Health Informatics and Information Management

Jody Smith, Ph.D., RHIA, FAHIMA, Chair
http://www.slu.edu/x2374.xml

Faculty:
Jeanne Donnelly, Ph.D., RHIA
Julie Wolter, MA, RHIA, FAHIMA

Health Information Management is a specialized profession that combines medical sciences and information technology with legal concepts and business administration. The undergraduate curriculum is designed to prepare the graduate to take the national credentialing examination offered by the American Health Information Management Association and for a variety of entry level, administrative information management positions in the health care industry. The department offers both undergraduate and graduate degrees.

Students wishing to major in Health Information Management are required to complete the core requirements for the Doisy College of Health Sciences except chemistry. In addition, selected electives from the School of Business and Administration are required.

Health Information Management (BS)

Required Health Information Management Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 220</td>
<td>Computer Appl in Healthcare</td>
<td>1</td>
</tr>
<tr>
<td>HIM 250</td>
<td>Professional Development</td>
<td>2</td>
</tr>
<tr>
<td>HIM 300</td>
<td>Intro to Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>HIM 310</td>
<td>Medico Legal Aspects</td>
<td>3</td>
</tr>
<tr>
<td>HIM 320</td>
<td>Health Data Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 330</td>
<td>Classification Systems I</td>
<td>3</td>
</tr>
<tr>
<td>HIM 340</td>
<td>Applied Health Informatics I</td>
<td>3</td>
</tr>
<tr>
<td>HIM 350</td>
<td>Health Care Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 360</td>
<td>HIM Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>HIM 370</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HIM 415</td>
<td>Quality Improvement</td>
<td>3</td>
</tr>
<tr>
<td>HIM 420</td>
<td>Research Methods in HIM</td>
<td>3</td>
</tr>
<tr>
<td>HIM 430</td>
<td>Classification Systems II</td>
<td>3</td>
</tr>
<tr>
<td>HIM 440</td>
<td>Applied Informatics II</td>
<td>3</td>
</tr>
<tr>
<td>HIM 450</td>
<td>Mgmt of Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>HIM 451</td>
<td>HealthCare Financial Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>HIM 453</td>
<td>Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>HIM 461</td>
<td>Electronic Health Systems</td>
<td>3</td>
</tr>
<tr>
<td>HIM 470</td>
<td>Fund of Clinical Medicine</td>
<td>3</td>
</tr>
<tr>
<td>HIM 498</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Required related courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT 100</td>
<td>Basic Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PPY 254</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Health Information Management (BS)/Business Certificate

In addition to the courses required from within the major, students will select 30 hours from the School of Business and Administration.

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 220</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 222</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSCI 207</td>
<td>Intro Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 190</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>ITM 200</td>
<td>Intro to Info Technology Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>MGT 300</td>
<td>Mgmt Theory &amp; Practice</td>
<td>3</td>
</tr>
<tr>
<td>MKT 300</td>
<td>Intro to Marketing Mgmt.</td>
<td>3</td>
</tr>
</tbody>
</table>

Two business electives to be chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSCI 305</td>
<td>Intro Mgmt Science &amp; Prod Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 314</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>IB 200</td>
<td>Intro to International Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 218</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Health Information Management (BS)/Information Technology Certificate

In addition to the courses required from within the major, students will take an additional 15 hours from the School of Business and Administration.

Required Course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITM 200</td>
<td>Intro to Info Technology Mgmt</td>
<td>3</td>
</tr>
</tbody>
</table>

 Twelve hours to be chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITM 250</td>
<td>Spreadsheet &amp; Database Productivity</td>
<td>3</td>
</tr>
<tr>
<td>ITM 310</td>
<td>Program Development Techniques</td>
<td>3</td>
</tr>
<tr>
<td>ITM 320</td>
<td>Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>ITM 330</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>ITM 345</td>
<td>Web Site Design &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>ITM 350</td>
<td>Information Security Management</td>
<td>3</td>
</tr>
<tr>
<td>ITM 360</td>
<td>Global Information Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>ITM 370</td>
<td>Business Analytics &amp; Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ITM 380</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>ITM 410</td>
<td>Systems Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>ITM 435</td>
<td>Data Communications &amp; Networking</td>
<td>3</td>
</tr>
<tr>
<td>ITM 450</td>
<td>Web-Based Apps &amp; Architectures</td>
<td>3</td>
</tr>
</tbody>
</table>
Health Information Management (BS)/Masters in Health Administration (5 years)

The curriculum is designed for freshmen or sophomores seeking their first undergraduate degree. At the end of year four, students will be admitted to graduate study for the MHA with advanced standing. This is a full-time program and cannot be completed on a part-time basis.

In addition to courses required within the major students are required to take:

ECON 190 Principles of Economics 3
HMP 503 Health Care Accounting 3
BST 500 Principles of Biostatistics 3
HMP 500 Health Care Organization 3
MHP 530 Mgmt of Health Care Org 3
HMP 591 Health Services Mgmt Rounds 0
HMP 592 Prof Skills Development Series 3
HMP 534 Health Care Marketing 3
HMP 520 Health Care Economics 3
HMP 538 Mgmt of People in HC Del. 3
HMP 540 Legal Aspects of Hlth Service Mgmt 3
HMP 570 Health Care Financial Mgmt 3
HMP 591 Health Services Mgmt Rounds 0
HMP 592 Prof Skills Development Series 0
HMP 594 Internship 0
HMP 517 Managerial Epidemiology 3
HMP 542 Health Care Ethics 3
HMP 571 Financial Aspects of Managed Care 3
HMP 591 Health Services Mgmt Rounds 0
HMP 511 Health Operations Management
HMP 580 Strategic Mgmt in Health Care 3
HMP 591 Health Services Mgmt Rounds 3
HMP 518 Behavioral & Environment Aspects of Population Health 3
HMP 595 Special Studies for Exam (Comps) 0
Electives 12

Health Information Management (BS)/Pre-Professional

In addition to courses required within the major students are required to take:

Biology
BIOL 104 Principles of Biology I 4
BIOL 106 Principles of Biology II 4
BIOL 302 Molecular Cell Biology I 3
Chemistry
CHEM 163 General Chemistry I 3
CHEM 164 General Chemistry II 3
CHEM 165 General Chemistry I Lab 1
CHEM 166 General Chemistry II Lab 1
CHEM 342 Principles of Organic Chemistry I 3
CHEM 343 Principles of Organic Chemistry II 3
CHEM 344 Organic Chemistry Lab I 1
CHEM 345 Organic Chemistry Lab II 1
CLS 352 Medical Microbiology 4

Health Information Management (BS)/Pre-Physician Assistant Scholars

In addition to courses required within the major students are required to take:

Biology
As Listed for Health Information Management (BS)/Pre-Physician Assistant Scholars
Chemistry
As Listed for Health Information Management (BS)/Pre-Physician Assistant Scholars
Mathematics
MATH 141 Pre-Calculus 3
MATH 142 Calculus I 4
Physics
PHYS 131 Physics I 3
PHYS 132 Physics I Lab 1
PHYS 133 Physics II 3
PHYS 134 Physics II Lab 1

Health Information Management (BS)/Accelerated Option

Designed for individuals already possessing a bachelor’s degree. Prior to acceptance into the program, it is advisable for prospective students to complete the following:

Basic Human Anatomy with Lab Section 3-4
Human Physiology 3-4
Introduction to Micro Computer Apps 3
Philosophy (ethics, logic, intro to phil, etc.) 3
Theology (world religions, etc.) 3
Statistics 3
Management of Human Resources 3
Management Theory & Practice 3
Medical Terminology 2-3
Nutrition and Dietetics

Chairperson's Name, Chair
Mildred Mattfeldt-Beman PhD, RD, Chair
www.nd.slu.edu

Faculty:
Jamie Daugherty, RD
Jennifer McDaniel, MS, RD
Katie Eliot, MS, RD
Lori Jones, MPH, RD, MS
Kathy Kress, MS, RD
Michael Milster, CEC, CCE, CFBE, CHE
Todd Parkhurst, Chef
Charlotte Ridley, MS, RD
Amy Moore, MPH, MS, RD
Karen Steitz, MS, RD
Edward Weiss, PhD,

Dietetics, the application of food and nutrition knowledge to promote health, prevent disease and minimize disability, is a rapidly growing profession in allied health. Dietitians are dedicated to helping the public attain better health and longevity through the use of sound nutrition practices. Our graduates are prepared with foundation knowledge and skills to enter the field of nutrition. The Didactic Program in Dietetics and the Supervised Practice Program (Dietetic Internship) at Saint Louis University are currently granted Accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetic Association, 216 W. Jackson Blvd., Chicago, IL 60606-6995, (312) 899-5400. The Didactic Program in Dietetics (DPD) prepares the student for entry into a supervised practice program, a prerequisite to becoming a registered dietitian.

Undergraduate students may opt for a general course of study in dietetics, one with an emphasis in culinary arts, one that fulfills requirements for medical school (pre-professional health studies), or a pre-physician assistant scholar’s track. All curricular options meet the requirements of the American Dietetic Association. Students receive a broad and varied experience in classroom, laboratory and clinical settings. The program provides individual attention and close ties with faculty. Students may pursue either full-time or part-time study.

Undergraduate students have the option to complete a special emphasis in Culinary Arts. Saint Louis University is one of the first in the nation to combine a dietetics and culinary program. The culinary emphasis is designed to meet the standards of the American Dietetic Association and the American Culinary Federation. Students enrolled in the culinary arts emphasis complete some classes and labs in collaboration with the renowned culinary program at St. Louis Community College at Forest Park.

Upon successful completion of the Didactic Program in Dietetics, graduates are ready to compete for dietetic internships and have the flexibility to enter positions in:

- Hospitals, clinics, health centers, and private practice
- Public and private wellness programs
- Government nutrition programs
- Schools, restaurants, private clubs
- Research settings, food and pharmaceutical industries

Admission Requirements and Procedures for Transfer Students
Transfer students should have at least a 2.5 GPA (4.0 scale). Chemistry, biology, college algebra and English composition are recommended. Contact the Department of Nutrition and Dietetics for further information and assistance.

Nutrition and Dietetics (B.S.)/DPD Verification

Required related courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 110</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 163</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 164</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 165</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 166</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 342</td>
<td>Principles of Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 344</td>
<td>Organic Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 444</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>MGT 300</td>
<td>Management</td>
<td>3</td>
</tr>
<tr>
<td>HIM 370</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>PPy 254</td>
<td>Human Physiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Required Courses for the major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIET 100</td>
<td>Hot Topics in Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>DIET 102</td>
<td>Career Exploration in Dietetics</td>
<td>0</td>
</tr>
<tr>
<td>DIET 208</td>
<td>Foundations in Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>DIET 210</td>
<td>Nutrition in the Lifecycle</td>
<td>3</td>
</tr>
<tr>
<td>DIET 308</td>
<td>Nutritional Aspects of Biochemistry</td>
<td>1</td>
</tr>
<tr>
<td>DIET 333</td>
<td>Nutrition Tutorials for Organic Chem</td>
<td>0</td>
</tr>
<tr>
<td>DIET 350</td>
<td>Ethnic Meal Management</td>
<td>4</td>
</tr>
<tr>
<td>DIET 360</td>
<td>Food Science</td>
<td>3</td>
</tr>
<tr>
<td>DIET 370</td>
<td>Quantity Food Procurement/Prep</td>
<td>4</td>
</tr>
<tr>
<td>DIET 385</td>
<td>Advanced Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>DIET 389</td>
<td>Internship Seminar</td>
<td>1</td>
</tr>
<tr>
<td>DIET 410</td>
<td>Medical Nutrition Therapy I</td>
<td>3</td>
</tr>
<tr>
<td>DIET 411</td>
<td>Clinical Practicum Lab</td>
<td>2</td>
</tr>
<tr>
<td>DIET 415</td>
<td>Medical Nutrition Therapy II</td>
<td>3</td>
</tr>
<tr>
<td>DIET 416</td>
<td>Clinical Practicum Lab II</td>
<td>2</td>
</tr>
<tr>
<td>DIET 430</td>
<td>Community Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>DIET 435</td>
<td>Food Systems Management I</td>
<td>3</td>
</tr>
<tr>
<td>DIET 436</td>
<td>Food Systems Management II</td>
<td>3</td>
</tr>
<tr>
<td>DIET 440</td>
<td>Nutrition Education</td>
<td>3</td>
</tr>
<tr>
<td>DIET 450</td>
<td>Nutrition Counseling</td>
<td>3</td>
</tr>
<tr>
<td>DIET 487</td>
<td>Critical Reading Research Material I</td>
<td>1</td>
</tr>
<tr>
<td>DIET 488</td>
<td>Critical Reading Research Material II</td>
<td>1</td>
</tr>
</tbody>
</table>
Nutrition and Dietetics (B.S.)/DPD Verification + Special Emphasis in Culinary Arts

Required related courses
BIOL 110 Principles of Biology 4
CHEM 163 General Chemistry I 3
CHEM 164 General Chemistry II 3
CHEM 165 General Chemistry I Lab 1
CHEM 166 General Chemistry II Lab 1
CHEM 342 Principles of Organic Chemistry 3
CHEM 344 Organic Chemistry Lab 1
CHEM 444 Biochemistry 3
MGT 300 Management 3
HIM 370 Medical Terminology 3
PPY 254 Human Physiology 3

Required Courses for the major
DIET 100 Hot Topics in Nutrition 2
DIET 102 Career Exploration in Dietetics 0
DIET 208 Foundations in Nutrition 3
DIET 333 Nutrition Tutorials for Organic Chem 0
DIET 202 Hospitality Law 3
DIET 210 Nutrition in the Lifecycle 3
DIET 212 Bar and Beverage Management 3
DIET 301 Catering I 1
DIET 350 Ethnic Meal Management 4
DIET 308 Nutritional Aspects of Biochemistry 1
DIET 360 Food Science 3
DIET 370 Quantity Food Procurement/Prep 4
DIET 375 Food Specialties 2
DIET 385 Advanced Nutrition 4
DIET 389 Internship Seminar 1
DIET 401 Catering II 1
DIET 410 Medical Nutrition Therapy I 3
DIET 414 Adv Meat Analysis & Knife Skills 2
DIET 419 Garde Manger 3
DIET 415 Medical Nutrition Therapy II 3
DIET 425 Baking 3
DIET 426 Pastry 3
DIET 430 Community Nutrition 3
DIET 435 Food Systems Management I 3
DIET 436 Food Systems Management II 3
DIET 440 Nutrition Education 3
DIET 485 Dining Services 1
DIET 491 Culinary Practicum 3
DIET 497 Culinary and Medicinal Herbs 3

Students may also earn a Certificate in Food Safety/Sanitation.

Pre-Physicians Assistant (PA) Scholars Track:
Students accepted into B.S. program in Nutrition and Dietetics may apply for acceptance into the Pre-PA Scholars Track. This track, for entering freshman, presents an opportunity for a select number of highly qualified applicants who successfully complete the Track to be guaranteed a position in the Physician Assistant Program at Saint Louis University upon graduation. The track is 136 credit hours. For more information, contact the Department of Nutrition and Dietetics or the Department of Physician Assistant Education.

Verification of Didactic Program in Dietetics (DPD)
The Department has a program whereby students who possess a previously earned baccalaureate degree may complete requirements for DPD verification. This verification allows students to meet requirements for entry into a dietetic internship without completion of a second baccalaureate degree. For more information, contact the DPD Director in the Department of Nutrition and Dietetics.

Pre-Professional Health (Pre-Med) and Medical Scholars:
Pre-professional health students and students accepted as medical scholars may declare Nutrition and Dietetics as a major. The curriculum for completion of B.S. in Nutrition and Dietetics with fulfillment of pre-professional health studies requirements is 142 credit hours. For more information, contact the Department of Nutrition and Dietetics.
Occupational Science & Occupational Therapy

Karen F. Barney, Ph.D., OTR/L, FAOTA, Chair
Debra A. Rybski, MS, MSHCA, OTR/L, Vice-Chair
http://www.slu.edu/x2400.xml

Full-time Faculty:
Debora A. Davidson, Ph.D., OTR/L
Peggy R. Gettemeier, MPH, COTA/L
Cheryl Klohr, MS, OTR/L
Cynthia S. Matlock, MBA, OTR/L
Sherry Muir, MOT, OTR/L
Margaret A. Perkinson, PhD
Katie Serfas, OTD, OTR/L

This program offers two degrees: a Bachelor of Science in Occupational Science (BSOS) and a Master of Occupational Therapy (MOT) degree.

Occupational Science is the study of the forms and meaning of human activity, and how everyday activities influence individuals’ sense of identity and roles within families and communities. Occupational therapy is a health profession that employs everyday activities in the service of helping people to live healthy and satisfying lives. Services are provided to individuals who are at risk, or who have disabling conditions or life circumstances that prevent full participation in the roles and activities that they value.

Students have guaranteed entry into the graduate level master's program if they have successfully completed all the requirements of the undergraduate program. The combined BSOS and MOT program is five years of study.

Qualified Post Baccalaureate students with degrees in other fields may apply to the MOT program for an additional two years of study (including one summer semester).

Educational Requirements

Freshman Entry: A high school GPA of at least 3.0; three years of sciences, including one year of chemistry and one year of biology; three years of math; four years of English; an ACT composite score of at least 22 or a combined SAT score of no less than 1100.

Transfer Entry: Transfer students may enter the program during the freshman, sophomore, or junior year GPA and prerequisite courses vary by the level of admission.

Post-Baccalaureate Entry: Students who have a bachelor’s degree may apply to MOT Program via the Graduate School online at http://www.slu.edu/x834.xml. Applicants provide an official transcript sent from the university where the degree was earned; the documents must indicate degree conferral, including the required prerequisite courses, listed as follows:

- Chemistry with a lab
- Biology with a lab
- Basic Anatomy
- Physiology
- Physics
- Lifespan Human Development
- Abnormal Psychology
- Research Methods
- Medical Terminology

A grade of “C” or higher in all of the above subjects with a cumulative GPA of 2.8 or higher based on these courses only. The GRE is not required, nor are letters of recommendation.

Non-academic Requirements
Fieldwork experiences in community and clinical practice settings are required in occupational therapy education. Regulations require all students to complete a criminal background check and a drug test at least once during the Program, either or both of these may be repeated as agency requirements demand. Positive results from the criminal background check or drug tests may result in ineligibility to graduate from the program. A felony conviction will affect a graduate’s eligibility for professional certification and licensure.

General College of Health Science Core Requirements: 60 Hours
Fulfilled the first two years. Includes 6 hours of English; 3 Fine Arts; 3 Philosophy; 3 Theology and 6 additional hours in Philosophy or Theology, and 11 hours of Interprofessional Education (I.P.E.) courses. See full curriculum for the Occupational Science and Occupational Therapy Plan of Study:
(Note: the curriculum is subject to change without prior notification.)

Occupational Science (BSOS)

Required Occupational Science Courses:
- OCS 100 Seminar in OT Practice 2
- OCS 101 Intro to OS & OT 2
- OCS 305 Applied Medical Terminology 2
- OCS 312 Study of Occupation 3
OCS 322 Contexts of Occupation 3  
OCS 332 Development of Occupation-lifespan 3  
OCS 352 Occupational Health & Wellness 3  
OCS 362 Lived Experience of Disabilities 3  
OCS 372 Occupation in Diverse Communities 3

Occupational Therapy (MOT)
For the first two semesters, MOT courses are cross-listed with the OCS 4XX level BSOS courses. These courses are required for both the occupational science seniors and the first year post baccalaureate occupational therapy students.

ANAT 400 Gross Anatomy 6  
OCS 402 Professional Development I 1  
OCS 403 Professional Development II 1  
OCS 417 Neuroscience for OT 4  
OCS 440 OT in Rehabilitation I 3  
OCS 441 OT in Mental Health I 3  
OCS 445 OT with Infants & Children 3  
OCS 446 OT with Older Adults 3  
OCS 449 Applied Research I 1  
OCS 450 Applied Research II 1-3  
OCS 462 Clin Conditions & Phenomenology 3  
OCS 472 Fundamentals of OT Practice 3  
OCS 482 Theoretical Foundations of OT 3  
MOT 500 Fundamentals of OS for Post Bac 1  
MOT 502 Professional Development I 1  
MOT 503 Professional Development II 1  
MOT 515 Kinesiology 3  
MOT 517 Neuroscience for OT 4  
MOT 520 Clin Conditions & Phenomenology 3  
MOT 525 OT Policy & Administration 1  
MOT 526 Professional Reasoning & Devel 3  
MOT 530 Fundamental sof OT Practice 3  
MOT 535 Theoretical Foundations of OT 3  
MOT 540 OT in Rehabilitation I 3  
MOT 541 OT in Mental Health II 3  
MOT 545 O.P. & Assmnt of Infant & Child 3  
MOT 546 OT with Older Adults 3  
MOT 549 Applied Research I 1  
MOT 550 Applied Research II 1-3  
MOT 555 OT in Rehab II 3  
MOT 556 OT in Mental Health II 3  
MOT 560 OT with Infants & Children 4  
MOT 565 Applied Research III 2  
MOT 566 Applied Research IV 0-3  
MOT 570 Level II Fieldwork (12 weeks) 6  
MOT 575 Level II Fieldwork (12 weeks) 6

Certification in Occupational Therapy (NBCOT). In addition to passing the national exam, most states require licensure in order to practice.

NOTE: All Level II Fieldwork must be complete within 18 months following completion of academic preparation.

Accreditation: The occupational therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220; ACOTE’s telephone number is (301) 652-AOTA

Pre P.A. Scholars Track for Occupational Science Students
Occupational Science Students have the option to choose the Bachelor of Science in Occupational Science (BSOS) degree with a pre-PA track. These students follow a modified BSOS four-year curriculum. After successful completion of the Pre-PA track and the BSOS degree, the student is guaranteed a position in the PA Graduate Program. For more information go to the PA website at [http://www.slu.edu/x6928.xml](http://www.slu.edu/x6928.xml)

Graduation:
Upon completion of all requirements, students receive the Master’s in Occupational Therapy (MOT) Degree and are eligible to sit for the national certification examination administered by the National Board for
Physical Therapy & Athletic Training

Mark F. Reinking, PT, PhD, SCS, ATC, Chair

The Department of Physical Therapy & Athletic Training includes two separate professional programs, the Program in Physical Therapy and the Athletic Training Education Program.

PT Program Website: [http://pt.slu.edu](http://pt.slu.edu)
AT Program Website: [http://at.slu.edu](http://at.slu.edu)

Faculty:
Program in Physical Therapy
Tricia Austin, PT, PhD, ATC
Carol Beckel, PT, MA, Director of Clinical Education
Theresa Bernsen, PT, MA
Cheryl Cavallo, PT, PhD
Ethel Frese, PT, DPT, CCS
Ann Marcolina Hayes, PT, DPT, OCS
Margaret Herning, PT, PhD
Ginge Kettenbach, PT, PhD
Kim Levenhagen, PT, DPT, WCC
Rosemary Archambault Norris, PT, MA
Mark Reinking, PT, PhD, SCS, ATC, Program Director
Randy R. Richter, PT, PhD
Irma Ruebling, PT, MA, Interprofessional Ed. Director
Gretchen Salsich, PT, PhD
Darina Sargeant, PT, PhD, Assistant Program Director
Chris Sebelski, PT, DPT, OCS
Joanne Wagner, PT, PhD
Elaine Wilder, PT, PhD

Athletic Training Education Program
Anthony Breitbach, PhD, ATC, Program Director
Miguel Cannon, MD, Medical Director
Darcy Downey, MEd, ATC, Clinical Coordinator
Katherine Newsham, PhD, ATC
William Siler, PhD

Faculty:
Program in Physical Therapy
Tricia Austin, PT, PhD, ATC
Carol Beckel, PT, MA, Director of Clinical Education
Theresa Bernsen, PT, MA
Cheryl Cavallo, PT, PhD
Ethel Frese, PT, DPT, CCS
Ann Marcolina Hayes, PT, DPT, OCS
Margaret Herning, PT, PhD
Ginge Kettenbach, PT, PhD
Kim Levenhagen, PT, DPT, WCC
Rosemary Archambault Norris, PT, MA
Mark Reinking, PT, PhD, SCS, ATC, Program Director
Randy R. Richter, PT, PhD
Irma Ruebling, PT, MA, Interprofessional Ed. Director
Gretchen Salsich, PT, PhD
Darina Sargeant, PT, PhD, Assistant Program Director
Chris Sebelski, PT, DPT, OCS
Joanne Wagner, PT, PhD
Elaine Wilder, PT, PhD

Athletic Training Education Program
Anthony Breitbach, PhD, ATC, Program Director
Miguel Cannon, MD, Medical Director
Darcy Downey, MEd, ATC, Clinical Coordinator
Katherine Newsham, PhD, ATC
William Siler, PhD

Program in Physical Therapy Description:
The Program in Physical Therapy Program is a freshman entry six-year curriculum leading to a Bachelor of Science in Exercise Science (BSES) degree after the fourth year and a Doctor of Physical Therapy (DPT) degree after the sixth year. Students desiring a major in physical therapy should apply to that program as entering freshmen, as transfer admission into the program is very limited. The admissions process in physical therapy is competitive and due dates for applications are available on the Program in Physical Therapy website (pt.slu.edu). Progression through the program is based on meeting academic and professional behavior requirements. Students earning the DPT degree are required to earn a minor, certificate, or area of concentration in a subject or a special program.

Athletic Training Education Program Description:
The Athletic Training Education Program is a freshman entry five-year curriculum leading to a BSES degree after the fourth year and a Masters in Athletic Training (MAT) degree after the fifth year. Students desiring an undergraduate major in athletic training should apply to that program as entering freshmen, as transfer admission is also limited. Application information is available on the Athletic Training Education Program website (at.slu.edu). Progression through the program is based on meeting academic and professional behavior requirements.

Pre-Medicine and Pre-Physician Assistant curricular tracks are options in both programs. Consult the respective program’s website for more information.

The BSES degree is available only to those students admitted to the Program in Physical Therapy or the Athletic Training Education Program and is not a stand-alone degree program.

Program in Physical Therapy (BSES leading to DPT)

PT Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL190</td>
<td>Adv Strat Rhetoric and Research</td>
<td>3</td>
</tr>
<tr>
<td>ENGL202-260</td>
<td>300-395 Literature</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHIL105</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL205</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>THEO100</td>
<td>Theological Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Theology elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST111-113</td>
<td>History elective</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 439</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MTH141</td>
<td>Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>BIOL110</td>
<td>Introduction to Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 153 &amp; 154</td>
<td>Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>ANAT100</td>
<td>Basic Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PHYS122 &amp; 124</td>
<td>General Physics I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>PPY 254</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>IPE 110</td>
<td>Intro to Interprofessional Health Care</td>
<td>1</td>
</tr>
<tr>
<td>IPE 350</td>
<td>Health Care System and Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>IPE 370</td>
<td>Health Care Ethics</td>
<td>3</td>
</tr>
<tr>
<td>IPE 460</td>
<td>Evidence-Based Practice</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language (through 115 level)</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Research Statistics course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Non-specified electives</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>96</td>
</tr>
</tbody>
</table>
### Required Physical Therapy Courses (for BSES)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPT 108</td>
<td>Student Development I</td>
<td>1</td>
</tr>
<tr>
<td>DPT 110</td>
<td>Student Development II</td>
<td>1</td>
</tr>
<tr>
<td>DPT 208</td>
<td>Student Development III</td>
<td>1</td>
</tr>
<tr>
<td>DPT 210</td>
<td>Student Development IV</td>
<td>1</td>
</tr>
<tr>
<td>DPT 402</td>
<td>Professional Development I</td>
<td>2</td>
</tr>
<tr>
<td>DPT 405</td>
<td>Human Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>DPT 411</td>
<td>Kinesiology I</td>
<td>2</td>
</tr>
<tr>
<td>DPT 412</td>
<td>Kinesiology II</td>
<td>3</td>
</tr>
<tr>
<td>DPT 414</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>DPT 415</td>
<td>Therapeutic Exercise</td>
<td>2</td>
</tr>
<tr>
<td>DPT 420</td>
<td>Developmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>DPT 421</td>
<td>Developmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>DPT 455</td>
<td>Basic Exam</td>
<td>1</td>
</tr>
<tr>
<td>DPT 460</td>
<td>Clinical Research &amp; Design</td>
<td>2</td>
</tr>
<tr>
<td>DPT 470</td>
<td>Basic Procedures</td>
<td>2</td>
</tr>
<tr>
<td>DPT 480</td>
<td>Evidence Based Practice</td>
<td>2</td>
</tr>
<tr>
<td>DPT 484</td>
<td>Skills Practicum</td>
<td>1</td>
</tr>
<tr>
<td>DPT 490</td>
<td>Applied Neuroscience</td>
<td>2</td>
</tr>
<tr>
<td>DPT 507</td>
<td>Professional Development II</td>
<td>1</td>
</tr>
<tr>
<td>DPT 510</td>
<td>Professional Development III</td>
<td>1</td>
</tr>
<tr>
<td>DPT 512</td>
<td>Professional Development IV</td>
<td>1</td>
</tr>
<tr>
<td>DPT 513</td>
<td>Physical Agents I</td>
<td>2</td>
</tr>
<tr>
<td>DPT 514</td>
<td>Physical Agents II</td>
<td>2</td>
</tr>
<tr>
<td>DPT 519</td>
<td>Biomechanical Interventions</td>
<td>3</td>
</tr>
<tr>
<td>DPT 521</td>
<td>Musculoskeletal Conditions I</td>
<td>3</td>
</tr>
<tr>
<td>DPT 522</td>
<td>Musculoskeletal Conditions III</td>
<td>3</td>
</tr>
<tr>
<td>DPT 523</td>
<td>Musculoskeletal Conditions IV</td>
<td>4</td>
</tr>
<tr>
<td>DPT 525</td>
<td>Clinical Gait</td>
<td>2</td>
</tr>
<tr>
<td>DPT 526</td>
<td>Neuropathology</td>
<td>2</td>
</tr>
<tr>
<td>DPT 527</td>
<td>Neurological Conditions I</td>
<td>4</td>
</tr>
<tr>
<td>DPT 528</td>
<td>Neurological Conditions II</td>
<td>2</td>
</tr>
<tr>
<td>DPT 529</td>
<td>Cardiopulmonary Conditions</td>
<td>3</td>
</tr>
<tr>
<td>DPT 534</td>
<td>Multisystem Management</td>
<td>3</td>
</tr>
<tr>
<td>DPT 560</td>
<td>Departmental Administration</td>
<td>2</td>
</tr>
<tr>
<td>DPT 561</td>
<td>Applied Administration &amp; Management</td>
<td>2</td>
</tr>
<tr>
<td>DPT 564</td>
<td>Communication Processes in Patient Care I</td>
<td>1</td>
</tr>
<tr>
<td>DPT 565</td>
<td>Communication Processes in Patient Care II</td>
<td>2</td>
</tr>
<tr>
<td>DPT 566</td>
<td>Concepts of Wellness</td>
<td>1</td>
</tr>
<tr>
<td>DPT 570</td>
<td>Patient Management I</td>
<td>2</td>
</tr>
<tr>
<td>DPT 571</td>
<td>Patient Management II</td>
<td>2</td>
</tr>
<tr>
<td>DPT 572</td>
<td>Patient Management III</td>
<td>2</td>
</tr>
<tr>
<td>DPT 579</td>
<td>Seminar in Clinical Instruction</td>
<td>1</td>
</tr>
<tr>
<td>DPT 580</td>
<td>Clinical Rotation I (4 wks)</td>
<td>2</td>
</tr>
<tr>
<td>DPT 581</td>
<td>Clinical Rotation II (5 wks)</td>
<td>2</td>
</tr>
<tr>
<td>DPT 582</td>
<td>Clinical Rotation III (5 wks)</td>
<td>2</td>
</tr>
<tr>
<td>DPT 583</td>
<td>Clinical Rotation IV (18 wks)</td>
<td>7</td>
</tr>
<tr>
<td>DPT 590</td>
<td>Applied Evidence Based Practice</td>
<td>2</td>
</tr>
<tr>
<td>DIET 502</td>
<td>Aspects of Nutrition in Physical Therapy</td>
<td>2</td>
</tr>
<tr>
<td>IPE 485</td>
<td>Integrative Interprofessional Practicum</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>52</td>
</tr>
</tbody>
</table>

### Athletic Training Education Program (BSES leading to MAT)

#### AT Core Requirements

- EDL 101 Enhancing 1st Year Success: 1 credit
- ENGL190 Adv Strat Rhetoric and Research: 3 credits
- ENGL202-260, 300-395 Literature: 3 credits
- Fine Arts elective: 3 credits
- PHI 105 Introduction to Philosophy: 3 credits
- PHI 205 Ethics: 3 credits
- THEO 100 Theological Foundations: 3 credits
- Theology elective: 3 credits
- HIST 111-113 History elective: 3 credits
- Foreign Language (through 115 level): 6 credits
- PSY 101 General Psychology: 3 credits
- PSY 439 Abnormal Psychology: 3 credits
- MATH 141 Precalculus: 3 credits
- BIOL 110 Introduction to Biology: 4 credits
- CHEM 153 & 154 General Chemistry I & II: 8 credits
- ANAT 100 Basic Human Anatomy: 3 credits
- PHYS 122 & 124 General Physics I & II: 8 credits
- PSY 254 Human Physiology: 4 credits
- Research Statistics course: 3 credits
- IPE 110 Intro to Interprofessional Health Care: 1 credit
- IPE 350 Health Care System and Health Promotion: 3 credits
- IPE 370 Health Care Ethics: 3 credits
- IPE 460 Evidence-Based Practice: 2 credits
- Non-specified electives: 18 credits
- TOTAL: 97 credits

#### Required Athletic Training Courses (for BSES)

- MAT 100 Introduction to Athletic Training: 1 credit
- MAT 414 Exercise Physiology: 3 credits
- ANAT 400 Gross Anatomy: 6 credits
- DIET 501 Survey of Nutrition: 3 credits
- MAT 501 Principles of Athletic Training: 3 credits
- MAT 510 Athletic Training Kinesiology: 3 credits
- MAT 580 Medical Conditions in Athletic Training: 2 credits
- MAT 524 Musculoskeletal Assessment & Mgmt I: 4 credits
- MAT 525 Musculoskeletal Assessment & Mgmt II: 4 credits
- MAT 530 Therapeutic Modalities in AT: 4 credits
- MAT 550 Rehabilitation in Athletic Training: 4 credits
- MAT 560 Athletic Training Administration: 3 credits
- TOTAL: 40 credits

#### Post-Baccalaureate AT Courses (for MAT)

- MAT 540 Lab Studies and Imaging: 2 credits
- MAT 542 Pharmacology in Athletic Training: 2 credits
- MAT 562 Sports Psychology: 3 credits
- MAT 565 Research in Athletic Training: 2 credits
- MAT 570 AT Clinical Practicum: 3 credits
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 575 AT Clinical Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 590 AT Field Experience</td>
<td>2</td>
</tr>
<tr>
<td>MAT 595 AT Clinical Practicum III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 616 Enhancing Athletic Performance</td>
<td>2</td>
</tr>
<tr>
<td>MAT 670 AT Capstone Project</td>
<td>2</td>
</tr>
<tr>
<td>MAT 671 AT Clinical Practicum IV</td>
<td>4</td>
</tr>
<tr>
<td>MAT 680 Seminar in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>IPE 485 Integrative Interprofessional Practicum</td>
<td>2</td>
</tr>
<tr>
<td>TOTAL</td>
<td>34</td>
</tr>
</tbody>
</table>