APPLIED HEALTH BEHAVIOR RESEARCH PROGRAM

The graduate programs in Applied Health Behavior Research (AHBR) are housed in the Clinical Research Training Center (CRTC) in the Wohl Clinic.

Master of Science in AHBR
A 33-credit multidisciplinary program that focuses on the applied skills required for the development, management, and evaluation of research studies and health behavior programs in academic, clinical and community settings. The skills-based curriculum is designed for working professionals pursuing studies on a part-time basis, and for full-time graduate students. A one-year research intensive option can be completed in three semesters. Two concentrations are offered:
- Health Behavior Research (HBR) Research Intensive Option
- Health Education, Program Planning & Evaluation (HEPPE)

There is no thesis or practicum requirement for this program.

Graduate Certificate in Health Behavior Planning and Evaluation
A 15-credit hour program focused on the key applied and theoretical concepts in health behavior, as well as processes needed for managing program development and evaluation activities in clinical and community settings.

Registration Instructions for students in AHBR graduate programs
The AHBR Program Manager oversees student registration. Enrollment is subject to space availability.

Registration Instructions for Students Outside of AHBR Programs
Before registering, current Washington University students must obtain appropriate consent from their division/department. Students outside of the AHBR program must have permission from the AHBR Program to register. Please contact the Program Manager prior to registration.

Fall 2017 Academic Calendar
Fall courses begin on August 28, 2017. Registration opens on April 1, 2017. The last day to drop a class and receive a full refund is September 12, 2017.

AHBR Program Leadership
Amy McQueen, PhD, Program Director

AUDIOLOGY AND COMMUNICATION SCIENCES

The Program in Audiology and Communication Sciences (PACS) is located in the Central Institute for the Deaf (CID) Building, 4560 Clayton Avenue, Suite 2000 (2nd Floor). Please refer to School of Medicine campus map.

Contact Information
Phone: (314) 747-0104
Fax: (314) 747-0105
Web: http://pacs.wustl.edu
Email: pacs@wustl.edu
Web: http://pacs.wustl.edu

Minor - Speech and Hearing Sciences
A minor in Speech and Hearing Sciences is available to qualified students enrolled in the College of Arts & Sciences at Washington University in St. Louis. This minor provides students with an introduction to the fields related to speech, hearing, language, and deafness, and can also be designed to meet prerequisite requirements for students interested in entering graduate programs in audiology, deaf education, or speech-language pathology. Please contact the PACS Office or your major advisor, or refer to the current Handbook of Academic Minors, for more information.

Graduate Programs
Doctor of Audiology (Au.D.)
Master of Science in Deaf Education (M.S.D.E.)
Doctor of Philosophy (Ph.D.) in Speech and Hearing Sciences

Registration Instructions
Enrollment in courses in the Minor in Speech and Hearing Sciences is open to students outside PACS, including undergraduates. Additional courses may also be open for registration by non-PACS students with instructor permission; refer to the course description for information.

Academic Calendar
The Program in Audiology and Communication Sciences follows the academic calendar of the College of Arts & Sciences. Final exam schedules are determined by PACS.
The Division of Biostatistics offers a master’s degree in Biostatistics, and a certificate as well as post-doctoral master’s degree in Genetic Epidemiology. The program is located in the Becker Medical Library building at the corner of Euclid and Barnes-Jewish Hospital Plaza at 660 South Euclid, 5th Floor. Please refer to the map of the School of Medicine.

Master of Science in Biostatistics (MSIBS)
June 27, 2017–December 20, 2018

This 42-credit hour, 18-month program is designed to prepare students for exciting careers in Biostatistics and Statistical Genetics. We seek those with undergraduate or higher degrees in quantitative sciences (mathematics, statistics, computer science, biomedical engineering, or a closely related field). A choice of two pathways is offered in either area of concentration: Biostatistics or Statistical Genetics.

Genetic Epidemiology
We offer a Certificate in Genetic Epidemiology, which may be earned with successful completion (with a minimum of a “B” average) of 7 core courses, totaling 19 credit hours. These courses are only offered in the summer and fall semesters and must be completed within one or two years:
M21-503 Statistical Computing with SAS®
M21-506 R Primer
M21-515 Fundamentals of Genetic Epidemiology
M21-550 Intro. to Bioinformatics
M21-560 Biostatistics I
M21-570 Biostatistics II
M21-5483 Human Linkage and Association

Entry for new students begins in the summer semester. We also offer a post-doctoral master’s degree in Genetic Epidemiology. Interested candidates with an existing doctoral degree in a relevant field may contact the program manager for additional information.

2017-2018 Academic Calendar
Courses follow the calendar of the College of Arts and Sciences.

Summer 2017 Academic Calendar
Summer classes are intensive, meeting full days during the week. Early workshops are offered at no cost to students enrolled in one or more summer or fall courses. Orientation is from June 27–30, 2017.
M21-506 R Primer
M21-515 Fundamentals of Genetic Epidemiology
M21-550 Intro. to Bioinformatics
M21-503 Statistical Computing with SAS®

Registration Instructions for M.S. Candidates
The degree programs are structured and sequential. Students cannot, therefore, register online but must register with the Biostatistics Program Manager.

Registration Instructions for Students Outside the Degree Programs
Before registering, current Washington University students must obtain appropriate consent from their division/department. Students outside the degree/certificate programs enrolling in individual courses must also have permission of the course master. Contact the Biostatistics Program Manager to initiate.

Further Information
For the Master’s Degree in Biostatistics, see our website at https://biostatistics.wustl.edu or contact the Program Manager for further information: telephone 314-362-1384 or email biostat-msibs@email.wustl.edu.

Clinical Investigation Program

The degree programs in clinical investigation are housed in the Clinical Research Training Center in the Wohl Clinic.

Master of Science in Clinical Investigation (MSCI)
A 33-credit degree program for young investigators committed to pursuing academic careers in clinical research. This innovative program couples high-quality didactic courses with mentored research and a weekly multi-disciplinary seminar to meet the needs of clinicians seeking training in clinical research. The Clinical Research Curriculum covers the full spectrum of T1 to T4 Translational Research. The degree program offers three tracks to degree completion: Clinical Investigation Track, Translational Medicine Track, and Genetics/Genomics Track. The degree culminates in a research thesis which can consist of a peer-reviewed manuscript or an entrepreneurial project.

Certificate in Clinical Investigation
To earn a Certificate in Clinical Investigation, scholars are required to complete 16 credits of core curriculum:
M17-513 Designing Outcomes & Clinical Research OR
M17-588 Epidemiology for Clinical Research
M17-522 Introduction to Statistics
M17-524 Intermediate Statistics
M17-510 Ethical & Legal Issues in Clinical Research
M17-589 Intermediate Methods for Clinical & Outcomes Research
M17-528 Grantsmanship OR
M17-529 Scientific Writing and Publishing

Registration Instructions for M.S in Clinical Investigation candidates
The Curriculum Coordinator manages student registration. Enrollment is subject to space available. Registration for degree-seeking students begins April 18, 2017.

Registration Instructions for Students Outside of MSCI Program
Before registering, current Washington University students must obtain appropriate consent from their division/department. Students outside of the MSCI program must have permission from the MSCI Program to register. Please contact the Curriculum Coordinator in the Clinical Research Training Center prior to registration.

Fall 2017 Academic Calendar
Fall courses begin on August 28, 2017. Registration opens on April 18, 2017. The last day to drop a class and receive a full refund is September 12, 2017.

MSCI Program Leadership
David K. Warren, MD, MPH
Program Director

Further Information
For more information and the complete academic calendar, please visit our website: https://wnt.wustl.edu/courses/class-list/msci-courses/. For specific questions about the Clinical Investigation degree or curriculum, please contact Suzie Fragale, Curriculum Coordinator, fragale@wustl.edu.

Occupational Therapy Program

The Program in Occupational Therapy is located at 4444 Forest Park Blvd. at the corner of Forest Park Blvd. and Newstead Ave. Please refer to the Medical Center map.

Master of Science in Occupational Therapy
The Master of Science in Occupational Therapy (MSOT) is a professional, entry-level master’s degree offered through the Washington University School of Medicine. The degree program is a structured, two and one-half year curriculum designed to prepare practicing professionals in the discipline of occupational therapy. The curriculum fulfills all of the requirements necessary to sit for the national certification exam for occupational therapists.

Three-Two Program
Washington University undergraduates may elect to become part of the three-two program in occupational therapy. Undergraduates completing prerequisite requirements, may apply to the graduate OT program in their junior year. For more information, or to explore occupational therapy as a career, please contact Kathleen Kniepmann, MPH, OT/L at 286-1610. Several OT courses welcome undergraduate students with an interest in disability issues.

Doctor of Occupational Therapy Degree Program
The Doctor of Occupational Therapy (OTD) is a professional degree offered by the School of Medicine providing students the opportunity to focus their OT
studies in one of six areas of concentration: Productive Aging, Children & Youth, Rehabilitation Science, Neurorehabilitation, Work & Industry, or Social Participation and the Environment. This is a three and one-half year curriculum which fulfills all requirements necessary to sit for the national certification exam for occupational therapists.

Registration Instructions
Enrollment in any of the graduate level courses requires acceptance into the Program in Occupational Therapy or approval of the course master. Students wishing to enroll should contact the program at 286-1600. Registration of matriculated graduate students is performed on-line by the administrative staff.

The Academic Calendar
The Program in Occupational Therapy follows the calendar of the College of Arts and Sciences.

Contact Persons
M. Carolyn Baum, Ph.D., OTR/L, FAOTA
Elias Michael Director
(314) 286-1600
Shannon Eckhoff
Academic Systems Manager
(314) 286-1600

The Program in Occupational Therapy hosts several events each year for hilltop students who wish to visit the Program and investigate occupational therapy as a career. For more information, please contact Kathleen Kriegmann at (314) 286-1610.

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**PHYSICAL THERAPY PROGRAM**

**Academic Calendar 2017-2018**

**Fall Semester (1st, 2nd Year Classes)**
- 1st Year Orientation: Aug 15 - 18
- 2nd Year Orientation: Aug 17
- 1st Year Classes Begin: Aug 21
- 2nd Year Classes Begin: Aug 18
- Labor Day: Sep 4
- Fall Break: Oct 2 - 3
- Thanksgiving Break: Nov 22 - 24
- Finals: Dec 11 - 15
- Winter Break: Dec 18 - Jan 5
- 3rd Year Class:
  - CE III: Jul 10 - Sep 15
  - CE IV: Oct 2 - Dec 22

**Spring Semester (1st, 2nd, 3rd Year Classes)**
- 1st Year Class:
  - Jan 8 – May 4
  - MLK Holiday: Jan 15
  - Spring Break: Mar 5 - 9
  - Finals: Apr 30 - May 4
- 2nd Year Class:
  - Mar 12 – Jun 29
- 2nd II:
  - Jan 8 - Mar 2
  - MLK Holiday: Jan 15
  - Spring Break: Mar 5 - 9
  - Classes Begin: Mar 12
  - Finals: Jun 25 – 29

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**POPULATION HEALTH SCIENCES**

**3rd Year Class:**
- Jan 8 – May 8
- Classes Begin: Jan 8
- MLK Holiday: Jan 15
- Spring Break: Mar 5 - 9
- Finals: May 7 - 8
- Graduation: May 18

The program in Physical Therapy is located at the corner of Forest Park Blvd and Newstead Ave at 4444 Forest Park Blvd. Please refer to the Medical Center map.

**DEGREE PROGRAMS –**

**Doctor of Physical Therapy**
An entry-level, full-time program that focuses on diagnosis and evidence based practice of physical therapy. This program refines scientific and biomedical knowledge incorporating additional clinical experiences and coursework to prepare students for the practice of physical therapy. This degree is offered through the School of Medicine and courses are coded M02.

**Course Restrictions**
Physical Therapy courses, with the exception of PT 5001 Independent Study, are open ONLY TO INDIVIDUALS ENROLLED IN THE PROGRAM IN PHYSICAL THERAPY (GP).

**Registration Information**
The Program in Physical Therapy is a structured three year curriculum for the Doctor of Physical Therapy degree. Registration for physical therapy students is NOT completed on-line. Withdrawal from required courses must be approved by either the program’s Director of the Associate Director for Professional Education.

Successful applicants will have a strong academic record and relevant academic preparation with particular emphasis on quantitative skills, identified clear career goals that correlate to MPHS program competencies, and completed (or in the process of completing) a clinical training program at the doctoral level. 2017 – 2018 applications are due January 13, 2017.

MPHS students take seven required core courses; an introduction to SAS, a sequence of three courses in epidemiology, two courses in biostatistics, and research ethics. Eligible elective credits include courses offered through the MPHS program as well as other population health-related graduate courses offered at Washington University (program director approval required).

Graduating MPH students will have demonstrated skill in program competencies including study design, program evaluation, data analysis (theory and application), use of statistical software packages (e.g., SAS), calculating rates, meta-analysis, statistical modeling, clinical trials, and observational studies.

The academic year is divided into four intensive 8-week quarters designed to allow full-time MPH students to complete the program in ten months. Part-time study is allowed but students are expected to complete the degree within three years of matriculation. Students interested in part-time study need approval of the program director.

The MPH Program Coordinator coordinates MPH student registration. All other students register through and according to their home program processes; enrollment is subject to instructor approval.

Fall 2017 MPH courses are scheduled for:
- Session Fall I – August 28, 2017 to October 20, 2017
- Session Fall II – October 23, 2017 to December 20, 2017
- Spring I – January 16, 2018 to March 9, 2018
- Spring II – March 12, 2018 to May 9, 2018

**MPHS Program Leadership**
Graham Colditz, MD, DrPH, Program Director
Further information available at www.mphs.wustl.edu or by contacting Joyce Linn, MPH Program Coordinator, linnj@wudosis.wustl.edu or (314) 362-5001.

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**MPHS Program**

- Master of Population Health Sciences (MPHS) offered by Washington University School of Medicine, is designed as a ten-month, full-time degree program that meets the needs of clinicians seeking training in population-based research methods. Its quantitative curriculum emphasizes the role of epidemiology and biostatistics in approaching clinical effectiveness and outcomes research. The MPHS does not require a research thesis/capstone. Instead, the program uses applied coursework to focus on the long-term application of skills. Using topics relevant to their careers and interests, the applied coursework allows MPH students to practice the art of developing research study protocols, performing systematic reviews, designing epidemiologic studies and more. The MPHS program currently offers three concentrations: Clinical Epidemiology, Health Services and Psychiatric and Behavioral Health Sciences.
DOCTOR OF MEDICINE PROGRAM

ACADEMIC CALENDAR 2017-18

June 2017
16 New 3rd year class: Clinic Orientation
19 3rd, 4th year classes: Academic year begins

July 2017
3 Independence Day holiday begins, 5pm
4 Independence Day Observance

August 2017
7 1st year class: Orientation, matriculation & initial payment of tuition/fees
8 1st year classes: Academic year begins
21 2nd year classes: Academic year begins

September 2017
3 Labor day holiday begins at 5 p.m.
4 Labor Day Observance

November 2017
22 Thanksgiving Day holiday begins, 5pm
23 Thanksgiving Day Observance
24 Holiday for all classes

December 2017
22 All classes: Winter recess begins, 5pm

January 2018
8 All classes: Winter recess ends and classes resume, 8am
14 Martin Luther King Day holiday begins, 5pm
15 Martin Luther King Day Observance

March 2018
30 1st & 2nd year classes: Spring break begins 5pm

April 2018
5 3rd and 4th year classes: Spring break begins at 5pm
9 All classes: Classes resume, 8am

May 2018
6 Graduating students: Academic year ends, 5pm
11 2nd year class: Academic year ends, 5pm
18 Commencement (Friday)
27 Memorial Day holiday begins, 5pm
28 Memorial Day Observance

June 2018
1 1st year class: Academic year ends, 5 p.m.
3 1st year class: Academic year and Clinical clerkships end, 5pm

Schedule of Clerkship & Elective Intervals

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Date Range</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-4</td>
<td>Jun 19 - Jul 16</td>
<td>2017</td>
</tr>
<tr>
<td>5-8</td>
<td>Jul 17 - Aug 13</td>
<td>2017</td>
</tr>
<tr>
<td>9-12</td>
<td>Aug 14 - Sep 10</td>
<td>2017</td>
</tr>
<tr>
<td>13-16</td>
<td>Sep 11 - Oct 8</td>
<td>2017</td>
</tr>
<tr>
<td>17-20</td>
<td>Oct 9 - Nov 5</td>
<td>2017</td>
</tr>
<tr>
<td>21-24</td>
<td>Nov 6 - Dec 3</td>
<td>2017</td>
</tr>
<tr>
<td>25-28</td>
<td>Dec 4 - Jan 14</td>
<td>2017-18</td>
</tr>
</tbody>
</table>

(Winter recess 5pm (12/22-1/7)

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Date Range</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>29-32</td>
<td>Jan 15 - Feb 11</td>
<td>2018</td>
</tr>
<tr>
<td>33-36</td>
<td>Feb 12 - Mar 11</td>
<td>2018</td>
</tr>
<tr>
<td>37-40</td>
<td>Mar 12 - Apr 8</td>
<td>2018</td>
</tr>
<tr>
<td>41-44</td>
<td>Apr 9 - May 6</td>
<td>2018</td>
</tr>
<tr>
<td>45-48</td>
<td>May 7 - June 1</td>
<td>2018</td>
</tr>
</tbody>
</table>

Tuition Payment Deadlines

<table>
<thead>
<tr>
<th>Class</th>
<th>Initial Level Payment</th>
<th>Final Level Payment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Year</td>
<td>Payment</td>
<td>Payment</td>
</tr>
<tr>
<td>2nd Year</td>
<td>Payment</td>
<td>Payment</td>
</tr>
<tr>
<td>3rd &amp; 4th Year</td>
<td>Jun 23, 2017</td>
<td>Jan 12, 2018</td>
</tr>
</tbody>
</table>

NOTE: The beginning and ending dates of each academic term will be published with individual class schedules.

Doctor of Medicine Program

The School of Medicine is located in the Washington University Medical Center at 660 S. Euclid.

Course Restrictions/Registration Procedures for Non-medical Students

Courses listed in this section are restricted to students accepted into the Doctor of Medicine degree program unless otherwise noted in the course description. Students not in the degree program interested in registering for the allowed courses should register under the crosslisted number noted, following the procedures of the student’s home school. Dates, refunds and policies regarding withdrawal from a course will also be determined by the student’s home school. Payment of fees to the School of Medicine will be handled administratively. Please note: prerequisites and required instructor permission must be strictly enforced. Students enrolling in any course without following specified procedures will be removed from the roster without notice. Space is sometimes limited and medical students must be given priority. If you must be dropped from a course due to unforeseen space limitations, you will be contacted immediately.

Registration Procedures for Medical Students

Due to the structured nature of the program leading to the degree Doctor of Medicine, registration is most efficiently accomplished administratively. On-line registration will NOT be used for the current academic year for medical students. You will be notified of procedures specific to your class. Policies of the School of Medicine apply regarding performance, payment of fees, etc. and are published in the Bulletin, CAPES Regulations and other medical school publications that are distributed to medical students.

Doctor of Philosophy/Doctor of Medicine and Master of Arts/Doctor of Medicine

See the Division of Biology and Biomedical Sciences, Graduate School of Arts and Sciences. Joint degree students should follow registration procedures of the division that will be prime in the semester for which you are registering.

For additional information contact the Registrar’s Office at 314-362-6848.

Availability of Medical Classes to Students Not Admitted to the Doctor of Medicine Program

Registration for the following courses is open to students outside the Doctor of Medicine degree program only where noted in course descriptions, if all course prerequisites are met, and always with approval of the course. Courses available for enrollment are identified as crosslisted. Students register in the division where the class is crosslisted and not with the medical school. Contact the School of Medicine at 362-6848 for further information about the availability of medical school courses.

Elective Program—Fourth Year Medical School

Philosophy of the Elective Program

The elective year allows the student to develop a flexible program which should be of great value and interest in the middle of an eight- to ten-year period of formal education. This flexible year occurs at a crucial time, helps the student decide on the rest of his/her formal education and helps focus productively upon already established interests. It also enables students to benefit from the wide range of specialized knowledge and skills found in the faculty. As there is not enough time for each student to be introduced to each of today’s areas of specialization, the elective program permits the student to select, according to desire, the areas s/he wishes to explore in depth.

Requirements

To qualify for the degree of Doctor of Medicine at Washington University School of Medicine, students are required to satisfactorily complete a minimum of 32 weeks of approved electives in the fourth (final) year, in addition to a required four-week Capstone course. The fourth year encompasses a 44-week time block. At least 24 of the 36 weeks required time of the elective program must be taken on campus in the Washington University School of Medicine elective courses described in this catalog. Most students utilize most of the elective year for clinical electives. Clinical electives are generally of four weeks duration. Research electives are a minimum six weeks, and a maximum of 12 weeks duration. Special study electives are typically of four weeks duration. Reading electives may range from 1-4 weeks, but a student may not spend more than 4 weeks on reading electives.

NOTE: You should be aware that on January 1, 1996, the Medical Board of California, Assembly Bill 3497 added to Section 20895.5 of the Business and Professions Code a new requirement for four weeks of undergraduate clinical training in family medicine. This new family medicine requirement applies to all California licensing applicants who graduate from medical school after May 1, 1998.
Medical students participating in any of the electives described in this booklet will be providing services as members of a team under the direct supervision of an attending physician or senior resident. While Washington University School of Medicine strives to provide each student with maximum responsibility and experience, students will be supervised in their efforts at all times until they are fully licensed.

Visiting students should go to http://wusmd1.wustl.edu/medstudents/elevcat.nsf for eligibility requirements and additional information.

Fourth Year Medical School
Washington University School of Medicine offers an extensive array of electives and research opportunities at the 800 and 900 course levels for the 4th year medical student.

Specific areas of study and research opportunities are listed below. Please access the website for further details of elective offerings: http://wusmd1.wustl.edu/medstudents/elevcat.nsf/ehome/openpage

Anatomy and Neurobiology
(Lv 800)
- Advanced Dissection
- Research Opportunities

Anesthesiology
(Lv 800)
- Anesthesia
- Anesthesia for Neurosurgery
- Cardiothoracic Anesthesia
- Critical Care
- Obstetrical Anesthesia
- Pain Management
- Pediatric Anesthesia

Biochemistry and Molecular Biophysics
(Lv 900)
- Research Opportunities

Cell Biology and Physiology
(Lv 900)
- Research Opportunities

Developmental Biology
(Lv 900)
- Research Opportunities

Genetics
(Lv 900)
- Research Opportunities

Internal Medicine
(Lv 800)
- Adult Allergy and Clinical Immunology
- Ambulatory Care – Jacqueline Maritz Lung Center
- Ambulatory Infectious Disease
- Bone and Joint Infectious Disease Consult
- Bone Marrow Transplantation & Stem Cell Biology
- Cardiac arrhythmias and Electrophysiology
- Clinical Cardiology – VA
- Clinical Cardiovascular Medicine

Clinical Emergency Medicine, Barnes-Jewish Hospital
Clinical Gastroenterology and Hepatology
Clinical Internal Medicine – Hospitalist
Clinical Mentoring
Clinical Nephrology
Dermatology
Emergency Ultrasound
Endocrinology, Diabetes and Metabolism
General Inpatient Infectious Disease
Geriatric Medicine
Heart Failure/Cardiac Transplantation
Hematology and Hemostasis
Honor Medicine – Cardiology
Honor Medicine – General Medicine
Honor Medicine – VA Hospital
Inpatient Cardiology
Inpatient Internal Medicine/Oncology-Firm
Intensive Care Medicine – BJ North
Intensive ECG Interpretation
Medical Intensive Care
Medical Toxicology
Medicine Consult Service
Occupational/Environmental Medicine
Oncology-Infusional
Oncology-Outpatient
Palliative Medicine
Pulmonary Clinic for the Underserved
Pulmonary Medicine, Barnes-Jewish Hospital
Pulmonary Medicine – VA Hospital
Rheumatology
Transplant Infectious Disease Consult
Wilderness Medicine

(Lv 900)
- Research Opportunities

Molecular Microbiology
(Lv 900)
- Research Opportunities

Neurology
(Lv 800)
- Adult and Pediatric Epilepsy
- Clinical Aspects of Aging and Dementia
- Clinical Neuroimmunology and Multiple Sclerosis
- MS Center Outpatient – Missouri Baptist
- Neonatal Neurology
- Neuro-Oncology
- Neurology Subinternship
- Neurology Subinternship for Visiting Students
- Neurology/Neurosurgery ICU
- Pediatric Neurology
- Physical Medicine and Rehabilitation

(Lv 900)
- Research Opportunities

Neurological Surgery
(Lv 800)
- Neurosurgery

(Lv 900)
- Research Opportunities

Obstetrics and Gynecology
(Lv 800)
- GYN Female Pelvic Medicine & Reconstructive Surgery
- (Urogynecology) Subinternship
- GYN Oncology Subinternship
- Maternal-Fetal Medicine Outpatient Care Subinternship
- Maternal-Fetal Medicine Inpatient (Antepartum) Subinternship
- Obstetrical Anesthesia
- OB/GYN Endocrinology-Inferility Subinternship
- OB/GYN Outpatient Care Subinternship
- OB/GYN Ultrasound-Genetics
- Special Topics in Reproductive Health

(Lv 900)
- Research Opportunities

Ophthalmology and Visual Sciences
(Lv 800)
- Ophthalmology

(Lv 900)
- Research Opportunities

Orthopaedic Surgery
(Lv 800)
- Orthopaedic Hand and Upper Extremity Surgery
- Orthopaedic Oncology
- Orthopaedic Pediatric Surgery
- Orthopaedic Spine Surgery in Adult Patients
- Orthopaedic Sports Medicine
- Orthopaedic Surgery Elective For Visiting Students
- Orthopaedic Trauma
- Pediatric Orthopaedic Spine & Sports Surgery
- Reconstructive and Joint Preservation Surgery

(Lv 900)
- Research Opportunities

Otolaryngology
(Lv 800)
- Ambulatory Otolaryngology For the Primary Care Physician
- General Otolaryngology
- Neurology
- Otolaryngology
- Pediatric Otolaryngology
- Practicum in Adult Clinical Audiology

(Lv 900)
- Research Opportunities

Pathology
(Lv 800)
- Autopsy Pathology
- Clinical Laboratory Medicine
- Dermatopathology
- Diagnostic Hematopathology
- General Pathology
- Introduction to Neuropathology
- Molecular Pathology
- OB-GYN Pathology Subinternship
- Surgical Pathology – Barnes-Jewish Hospital

(Lv 900)
- Research Opportunities

Pediatrics
(Lv 800)
- Clerkship in Rural Primary Care Pediatrics
- Clinical Pediatric Pulmonary Medicine
- General Pediatrics Subinternship – St. Louis Children’s Hospital
- Genetics and Genomic Medicine
- Newborn Medicine
- Pediatric Asthma and Allergy
- Pediatric Cardiac Catheterization
- Pediatric Cardiology-Outpatient Service
- Pediatric Critical Care Medicine
- Pediatric Emergency Medicine
- Pediatric Endocrinology and Diabetes
- Pediatric Gastroenterology, Hepatology and Nutrition
- Pediatric Infectious Diseases
- Pediatric Lung Transplantation
- Pediatric Pulmonary Subinternship
- Pediatric Renal Disease
- Pediatric Rheumatology
- Quality of Care Through Health Informatics
- Subinternship in Pediatric Hematology and Oncology

(Lv 900)
- Research Opportunities

Psychiatry
(Lv 800)
- Child Psychiatry
- Clinical Psychiatry-Inpatient Psychiatric Service
- Forensic Psychiatry
- Interventional Psychiatry
- Introduction to Eating Disorders
Outpatient Community Psychiatry
Psychiatric Oncology
Psychiatry Consult Service
Schizophrenia Precursors and Prodromal States
(Level 900)
Research Opportunities

**Radiation Oncology**
(Level 800)
Clinical Radiation Oncology
(Level 900)
Research Opportunities

**Radiology**
(Level 800)
Clinical Nuclear Medicine
General Radiology
Interventional Radiology
(Level 900)
Research Opportunities

**Surgery**
(Level 800)
Cardiothoracic Surgery
Colon and Rectal Surgery, Acting Internship
Critical Care
Ethical Challenges in Surgery and Medicine
Hepatobiliary Pancreatic Surgery, Acting Internship
Minimally Invasive Surgery, Acting Internship
Organ Transplantation
Pediatric Surgery
Plastic Reconstructive Surgery
Plastic Surgery Externship For Visiting Students Only
Surgical Night Float and ER Subinternship
Surgical Oncology and Endocrine Surgery, Acting Internship
Trauma Service, Acting Internship
Urology
Vascular Surgery, Acting Internship
(Level 900)
Research Opportunities

**Additional Electives**
(Level 800)
Biomedical Innovation and Entrepreneurship
Fourth Year Capstone Course
The Business of Medicine
(Level 900)
Research Opportunities