The Warren Alpert Medical School of Brown University

Dean
Jack A. Elias

Admissions

Students interested in the study of medicine at the Warren Alpert Medical School of Brown University may apply through a variety of admission routes designed to create a highly qualified and diverse medical student body.

The majority of the 120 matriculants in the first-year class apply through the American College Application Service (AMCAS). Approximately (40%) of the first-year class enroll from Brown’s eight-year combined Bachelor’s-medical degree Program in Liberal Medical Education. These students are joined by students entering through special programs at institutions with which the medical school has formed linkages (postbaccalaureate and early identification). These admission routes are described below.

AMCAS Admission

Qualified students or graduates of accredited colleges or universities in the United States or Canada may apply to Alpert Medical School (AMS) through the AMCAS route. Individuals must first complete and submit the electronic AMCAS application, found on the website of the American Association of Medical Colleges (https://www.aamc.org), and indicate that they wish to apply to the Warren Alpert Medical School of Brown University. Applicants must also complete a web-based secondary application (forwarded by AMS Office of Admissions) and submit an application fee to be considered an eligible candidate for admission.

The AMCAS applicant pool for the most recent entering class (MD 2016) was competitive, with over 3300 applicants vying for 57 seats (of 120). The applicant pool was impressive in geographic scope and size, including residents of 49 states, the District of Columbia, the Commonwealth of Puerto Rico, and a number of foreign countries (predominantly Canada, China, and South Korea).

Additional information and related admission requirements may be found at http://www.brown.edu/academics/medical/admissions. The Office of Admissions may be contacted by email (MedSchool_Admissions@brown.edu) or telephone (401) 863-2149. Letters and other correspondence should be mailed to the Office of Admissions, Box G-M, Brown University, Providence, RI 02912-9706.

Program in Liberal Medical Education (PLME)

The Program in Liberal Medical Education is an eight-year continuum of liberal arts and medical education leading to both the bachelor’s and M.D. degrees. The PLME is open to high school graduates who have applied to and are simultaneously admitted to Brown for their undergraduate studies. The PLME seeks highly qualified and strongly motivated high school students who are committed to a career in medicine at an early age and who also wish to pursue another area of academic interest to an advanced level of scholarship within the framework of a broad liberal education.

From a large (approximately 2,000) and highly qualified applicant pool, roughly 50 students matriculate annually. For additional information regarding the PLME, access the website at http://www.brown.edu/academics/medical/plme/ or contact the College Admission Office, Brown University, Prospect Street, Providence, RI 02912-9706; (401) 863-2378.

Postbaccalaureate Linkage Programs

The Postbaccalaureate (PB) Linkages are cooperative ventures between Alpert Medical School and the Premedical PB Programs at Bryn Mawr College, Columbia University, Johns Hopkins University, and Goucher College. Postbaccalaureate students enrolled in these programs may be offered admission to the medical school during the spring semester of their first year of study, thus allowing them to enter the medical school in the next class.

Selection occurs by a nomination process in which the premedical advisor selects candidates meeting established eligibility criteria (e.g., age, postbac grade point average). The number of PB students in each medical school class depends upon the number of places available as well as the caliber of the applicant pool. PB students nominated for admission must apply to AMCAS and complete an AMS secondary application. The MCAT is not required for admission. Timelines for this process are distributed to PB Program Directors on a yearly basis. Completed applications are reviewed by a subcommittee of the Admissions Committee, which selects nominees for interviews. The interviews follow the same protocol as that for AMCAS applicants and the same evaluation form is used.

The Early Identification Program (EIP)

The Early Identification Program (EIP) provides selected students at cooperating institutions with a place at Alpert Medical School upon continued academic progress and college graduation. This route provides opportunities for a medical career to two groups:

• Rhode Island residents enrolled at Providence College, Rhode Island College, and the University of Rhode Island; and
• Students enrolled at Tougaloo College, a historically black, liberal arts institution in Mississippi.

Eligible students are identified by their premedical advisor in the sophomore year of college, participate in selected PLME activities, and enroll in medical school after receiving the bachelor’s degree. Generally, up to two students may be admitted annually from each school. For more information and application procedures, please contact the premedical advisor at the participating institutions. For more information access the website at http://www.brown.edu/academics/medical/admission/other-routes-of-admission

Definition of Rhode Island Residency for Medical School Admission

An individual is considered a Rhode Island resident if he or she graduated from a Rhode Island high school and if the individual’s parent(s) have lived in Rhode Island for the previous two calendar years, as documented by federal tax returns. For dependent students, the custodial parent(s) must claim the student as a dependent on his or her federal tax returns for the prior two years. Individuals who are independent (i.e., not living with parents and filing individual federal tax returns for the previous two years) must have at least one parent residing in Rhode Island for the previous two years, as documented by federal tax returns.

Selection Factors

Students admitted to Alpert Medical School must attain competence in the sciences basic to medicine at a sufficient level to provide adequate preparation for medical school. Applicants are expected to demonstrate competence by successfully completing the following premedical course requirements at a college or university in the United States or Canada: one semester of organic chemistry; and two semesters of physics, inorganic chemistry, and social and behavioral sciences. The Medical College Admission Test (MCAT) is required for AMCAS route applicants.

All applicants are selected on the basis of academic achievement, faculty evaluations, evidence of maturity, motivation, leadership, integrity, and compassion. For the PLME. Brown seeks highly qualified and strongly motivated students who wish to pursue an area of academic interest to an advanced level of scholarship within the framework of a liberal premedical education.

In order to be eligible for consideration, candidates must present a minimum cumulative grade point average of 3.00 (on a 4.00 scale) in courses taken as a matriculated student at an undergraduate college. Applicants who have attended graduate school must achieve a cumulative grade point average of 3.00 (on a 4.00 scale) in courses taken in graduate school. Applicants must have completed requirements for the baccalaureate degree before matriculating into the medical school. All applicants must be capable of meeting the competency requirements expected of all graduates. Technological compensation can be made.
for some disabilities in certain competency requirements. Candidates accepted for admission who will need special accommodations cannot be admitted unless those supportive services are available, as determined by the Dean of Medicine and Biological Sciences. The processes for assessing whether applicants will be able to meet the competency requirements for the M.D. degree are described in Technical Standards for Medicine, listed below.

In keeping with the mission of Brown University, the office of admissions recognizes the importance of diversity to the success of the medical school. Dimensions of diversity include, but are not limited to: race, ethnicity, religious affiliation, gender identity, sexual orientation, veteran status, age, socioeconomic status and geographic background. Multicultural perspectives enrich educational understanding, improve outreach to the community, enhance trust and communication, and facilitate development of culturally appropriate clinical and research programs.

Technical Standards for Medicine

Process for Assessing Whether Applicants Meet Technical Standards for Medicine:

1. No inquiry will be made on the application forms concerning disability. Brown’s policies regarding technical abilities and skills necessary to meet the competency requirements are included with the letter of admission, and students are asked at that time to contact the Associate Dean for Medical Education if they have any concerns about their ability to meet these standards.

2. Applicants who are identified as having a disability through volunteered information, supporting credentials, or interviews will have an assessment of their ability to meet competency requirements only after a determination is made of their admissibility to the medical program.

3. Those applicants with disabilities deemed admissible to the Medical School will be requested to have submitted on their behalf appropriate documentation in regard to the disability from a qualified health professional. The health professional will be asked to provide an opinion on the candidate’s ability to meet the competency requirements for the M.D. degree. The applicant may also be requested to respond to that question.

4. The responses will be submitted to a committee appointed by the Dean of Medicine and Biological Sciences. This committee may ask for a review of the supporting documentation by appropriate members of the faculty in regard to the applicant’s meeting the competency requirements. The committee will ascertain what accommodations, if any, the medical program would need to make in order that the applicant might be able to meet the competency requirements, and assess the feasibility of any needed accommodations.

5. The committee will review the information received to determine if the applicant will be able to meet the competency requirements, with reasonable accommodations on the part of the medical program, if necessary.

6. The committee will recommend to the Dean of Medicine and Biological Sciences acceptance of applicants who can meet the competency requirements or will recommend nonacceptance if they cannot.

Process for Assessing Student’s Ability to Continue in the Medical School Should Disability Occur After Matriculation at Brown University:

1. A student who develops a disability after matriculation at Brown University may be identified to the Medical Student Affairs Office through a variety of sources, e.g., reporting of accident or illness by peers, family, friends, or faculty and subsequent follow-up with health professionals managing the care.

2. If the degree to which the student has become disabled raises questions related to meeting the competency requirements after a review by the Associate Dean for Medical Education, a meeting of an ad hoc committee will be set up to discuss the situation. The student will be asked to meet with the committee members, unless the disability is so severe that the student needs to be represented by another individual. In some cases, it might be more appropriate to have a health professional, not directly involved in the care, serve as a consultant to the committee on the issues surrounding the disability.

3. The ad hoc committee will develop a recommendation as to the student’s ability to successfully pursue a medical education based on his or her ability to meet the competency requirements of the medical program. These educational accommodations will be discussed with the appropriate course directors to be certain that there is agreement on how the student will be managed. If facilities accommodations are recommended, the committee will discuss these with the appropriate individuals to be certain that the needs for the disabled student can be provided. The committee’s recommendations will be discussed with the student or his or her representative in the event that the student cannot attend.

4. When the recommendation is that the disabled student can meet the medical program's competency requirements, the committee will develop a report on any educational program accommodations that, if made, will still meet the competency requirements.

5. Should the decision of the committee be to recommend to the dean that the student be dropped from enrollment in the medical program, the normal due process appeals mechanism will be in effect, and the Student Affairs Office will work with the individual as appropriate on potential alternative career options. For students in the Program in Liberal Medical Education continuum, being dropped from the program due to inability to meet competency requirements for medical education does not necessitate the withdrawal of the student from the undergraduate college if that phase of the student’s education has not been completed.

Advanced Scholarship

Medical students who wish to earn an advanced degree (M.A., Sc.M., M.P.H., Ph.D.), must meet the requirements of the Graduate School. Numerous academic departments at Brown offer graduate programs. All graduate studies are carried out under the supervision of a faculty member of a graduate program at Brown University and are subject to the specific requirements of that program in addition to the general guidelines given below. Students should discuss their interests and goals with a director of a graduate program in planning any study that might lead to an advanced graduate degree.

Educational Programs

Program in Liberal Medical Education

The Program in Liberal Medical Education (PLME) offers a unique opportunity to combine undergraduate education and professional studies in medicine into an eight-year program.

The PLME is not an accelerated medical program. Rather, it encourages students to take advantage of the breadth of a liberal arts education, to take charge of their education, and to become active learners. At Brown, creative students need not sacrifice the benefits of a rich liberal arts education in order to gain admission to medical school.

The PLME provides great flexibility in curriculum planning. During the early years, students take courses related to their chosen concentration and to obtain a broad liberal education. In addition, students take courses designed to meet the competencies required for admission to Alpert Medical School. This begins with courses in the natural, social and behavioral sciences, and mathematics, which provide a foundation for later medical science and clinical courses.

Students may choose to work towards an A.B. or Sc.B. degree in the sciences, or to fulfill the requirements for an A.B. in the humanities, social sciences or behavioral sciences. Several interdisciplinary concentrations such as Public Policy and International Relations are also available. The expected duration of the program is eight years. The last four years of the program culminate in the M.D. degree.

Brown’s entire faculty is available to PLME students. This access to faculty throughout the University fosters collaborative teaching and research among scholars and students from widely divergent disciplines. Although the program is characterized by the unique breadth of educational opportunities available to students, it has great strength in
the conventional biomedical sciences accompanied by in depth research opportunities as well.

**The Medical Curriculum**

The Alpert Medical School curriculum has been designed and implemented with the intention of creating an integrated, contemporary, compassionate, and flexible program of learning for our students. Our approach to medical education is predicated on the vision that tomorrow’s physician must be a lifelong learner who is scientifically and clinically enlightened, patient and service-centered, and who understands the economic underpinnings of the US health care system. Our goal is to train physicians who will provide informed and compassionate care while at the same time serving as leaders and change agents for the health care system. To achieve the latter goal, we aim to train physicians who will be leaders at all levels.

These educational goals are pursued through a curriculum with the following structure. During Years 1 and 2, students enroll in four sequential semesters of Integrated Medical Sciences (IMS-I through -IV) and Doctoring-I through -IV. The elective Scholarly Concentrations Program is introduced to students during Year 1. Year 3 allows students to explore core disciplines and related specialties through the completion of required clerkships in medicine, surgery, pediatrics, obstetrics & gynecology, psychiatry, and family medicine. The transition from the third year to the fourth year takes place in May, after which time students have the opportunity to develop a program of elective rotations aimed at finalizing a career choice, and obtaining and preparing for a residency in their chosen field.

Alpert Medical School continues to employ a competency-based curriculum that was officially launched in 1996 for the graduating MD Class of 2000. The rationale behind the competency-based curriculum stems from the need to define the outcomes of the educational process: what are the desirable qualities of a medical school graduate, and what constitutes the essential knowledge base that will enable a graduate to make a successful transition to his or her chosen medical field?

All students are expected to gain competency in the Nine Abilities (see below) and knowledge base by graduation. Each course within the core curriculum of the Medical School identifies which abilities and parts of the knowledge base it addresses. Students may also meet the competency requirements through individualized study, group independent study projects (GISPs), or alternative courses that might be arranged as part of collaborative learning opportunities.

**Nine Abilities:**

1. Effective communication
2. Basic clinical skills
3. Using basic science in the practice of medicine
4. Diagnosis, prevention, and treatment
5. Lifelong learning
6. Professionalism
7. Community health promotion and advocacy
8. Moral reasoning and clinical ethics
9. Clinical decision making

**MD/PhD Program**

Students interested in careers in academic medicine may want to consider dual MD/PhD training. Applications are only accepted from current PLME and Alpert Medical School students. Other interested individuals must apply to the MD program (http://brown.edu/academics/medical/admission). Consideration for PhD training will take place during years 1, 2 or 3 of medical school.

Our approach to dual MD/PhD training offers curriculum flexibility. Students may begin their graduate work after Year 2 or Year 3 of medical school. Components of the requirements for the MD may be incorporated into the graduate years, and graduate work can provide partial fulfillment of the Year 4 requirements for the MD.

PLME students in their undergraduate years and medical students in years 1, 2 or 3 must meet with the Associate Dean for Medical Education to discuss entry into the MD/PhD program. Selection is based on past research accomplishments, a clear commitment to a research career, and academic achievement at Brown. Students without substantial research experience will be advised to garner such experience before making an application to the program. Applications will be considered not only by the Associate Dean but also by representatives of the graduate program(s) of interest to the student.

Learn more about the MD/PhD Program (https://www.brown.edu/academics/medical/education/other-programs/md-phd) at: https://www.brown.edu/academics/medical/education/other-programs/md-phd/

**MD/MPH Program**

Students interested in the MD/MPH program must apply separately to Alpert Medical School and to Brown University’s Graduate School. Regardless of the route of admission to the medical school—PLME, Standard, EIP, Postbaccalaureate, Advanced Standing—all students are eligible to apply for the MPH during the first three years at the Alpert Medical School.

There is no formal path for non-Brown medical students to enroll in the 5-year MD/MPH Program. However, medical students from other schools are welcome to apply to the MPH Program through the standard route and they may request that up to 4 courses from their medical school curriculum count toward the MPH degree.


**MD/MPA Program**

Brown University, the Warren Alpert Medical School, and the Master of Public Affairs (MPA) at the Watson Institute have developed a dual-degree program aimed at creating the next generation of leaders in medicine and health care policy.

**About the Joint Degree**

The MD/MPA program is a joint, integrated, four-year program in which select students receive both a Doctorate of Medicine (MD) and a Master of Public Affairs (MPA). This is the first integrated program of its kind in the U.S., where students are able to complete their degree program in four years and take courses taught by both medical school and public policy faculty. You can learn more about the Master of Public Affairs at: https://www.brown.edu/academics/education-training/masters/index.php?q=mph-program-about-us/combined-programs/mdmph

Learn more about the MD/MPA Program (https://www.brown.edu/academics/medical/education/mdmpa-program) Program at: https://www.brown.edu/academics/medical/education/mdmpa-program

**Primary Care - Population Medicine Combined MD-ScM Program**

The Primary Care-Population Medicine (PC-PM) program is an innovative, dual-degree curriculum that focuses on preparing students for a career in medicine while providing comprehensive, longitudinal training in population medicine. The program will prepare medical students for leadership roles in health care on the local, state, or national level in areas ranging from primary care clinical service to research, education, and health policy.

This four-year program, the first of its kind in the United States, results in the awarding of both a Doctor of Medicine and a Master of Science in Population Medicine.

Learn more about the Primary Care - Population Medicine Combined MD-ScM Program (https://www.brown.edu/academics/medical/education/other-programs/primary-care-population-medicine) at: https://
Brown Gateways to Medicine, Health Care, and Research

The Gateways Program at the Warren Alpert Medical School of Brown University provides academically promising, motivated students new pathways to careers in the health sciences. Small class sizes and a robust mentoring system mean you’ll get individualized attention as you pursue your academic and career goals.

Through Gateways, you can:
- Improve your credentials for entry into medical school or other health professional schools;
- Gain a solid foundation in the basic science coursework typically undertaken by first-year medical students; and
- Test your aptitude for a variety of careers in health sciences.

Learn more about the Gateways Program [here](https://www.brown.edu/academics/medical/education/other-programs/gateways/).

The Gateways Program offers two courses of study:

Master of Science in Medical Sciences

In this one-year, full-time program, you will complete 8.5 required courses culminating in a Master of Science (ScM) in Medical Sciences from Brown University. Courses include all four of the basic science courses and two of the three organ system courses undertaken by first-year medical students at Alpert Medical School. You’ll also complete a unique seminar course series about pressing issues in today’s health care system, such as social determinants of disease, population health, interdisciplinary teamwork, quality improvement, and health care communication. Integrated into this course series will be a longitudinal service learning experience at a community healthcare site and an associated community-based capstone project.

Learn more about the ScM in Medical Sciences program [here](https://www.brown.edu/academics/medical/education/other-programs/gateways/master-science-medical-sciences/).

Certificate in Medical Science

For this one-year certificate program, you will complete 6 required courses: all four of the basic science courses and two of the three organ system courses undertaken by first-year medical students at Alpert Medical School. You’ll also have the freedom to independently pursue other areas of interest during this academic year, including part-time research opportunities and/or a 3-week, full-time immersion experience.

Learn more about the Certificate in Medical Science program [here](https://www.brown.edu/academics/medical/education/other-programs/gateways/certificate-medical-science/).

For additional information regarding Alpert Medical School please visit the website at: [http://brown.edu/academics/medical/](http://brown.edu/academics/medical/).

Courses

Biology

**BIOL 3001. Clerkship in Medicine.**

Twelve weeks.  
Fall BIOL3001 S01 10001 Arranged 'To Be Arranged'  
Fall BIOL3001 S02 10002 Arranged 'To Be Arranged'  
Spr BIOL3001 S03 20001 Arranged 'To Be Arranged'  

**BIOL 3005. Clerkship in Medicine - LIC.**

No description available.

**BIOL 3010. Systemic Pathology.**

First-semester systemic pathology course building on the general principles of disease introduced in general pathology IMS-1. Objectives include learning the classification of systemic disease according to basic pathological mechanisms, describing and explaining the functional and structural changes produced by the most common diseases, and enhancing the ability to diagnose and treat patients. Runs in parallel with pathophysiology BIOL 3500; covers four organ system segments: cardiovascular, renal, and pulmonary and supporting structures.

**BIOL 3015. Individualized Clerkship in Medicine.**

No description available.

**BIOL 3020. Nephrology.**

No description available.

**BIOL 3025. Longitudinal in Renal Disease.**

No description available.

**BIOL 3030. Clinical Nephrology.**

No description available.

**BIOL 3035. Clinical Nephrology.**

No description available.

**BIOL 3040. Clinical Dermatology.**

No description available.

**BIOL 3050. Gastroenterology.**

No description available.

**BIOL 3060. Gastroenterology.**

No description available.

**BIOL 3065. Infectious Disease.**

No description available.

**BIOL 3070. Infectious Disease.**

No description available.
BIOL 3075. Infectious Disease.
No description available.
Fall BIOL3075 S14 10030 Arranged 'To Be Arranged'
Fall BIOL3075 S23 10031 Arranged 'To Be Arranged'

BIOL 3080. HIV/AIDS.
No description available.
Fall BIOL3080 S12 10032 Arranged 'To Be Arranged'
Fall BIOL3080 S14 10033 Arranged 'To Be Arranged'
Fall BIOL3080 S22 10034 Arranged 'To Be Arranged'
Fall BIOL3080 S23 10035 Arranged 'To Be Arranged'
Fall BIOL3080 S24 10036 Arranged 'To Be Arranged'
Spr BIOL3080 S32 20009 Arranged 'To Be Arranged'
Spr BIOL3080 S44 20010 Arranged 'To Be Arranged'

BIOL 3090. Allergy and Clinical Immunology Seminar.
The pathophysiology, diagnosis, and treatment of allergic and immunological diseases. Particularly addresses the following diseases: asthma, rhinitis, sinusitis, urticaria, anaphylaxis, primary immunodeficiencies, food allergy, allergic reactions to medications, atopic eczema and insect-sting allergy. Molecular, cellular, and genetic components of allergy and other immunologic inflammation guide consideration of the diagnosis, clinical management, and prevention of allergic and other immunologic diseases.

BIOL 3100. Cardiology.
No description available.
Fall BIOL3100 S14 10037 Arranged 'To Be Arranged'
Fall BIOL3100 S21 10038 Arranged 'To Be Arranged'
Fall BIOL3100 S22 10039 Arranged 'To Be Arranged'
Fall BIOL3100 S24 10040 Arranged 'To Be Arranged'
Spr BIOL3100 S34 20011 Arranged 'To Be Arranged'

BIOL 3110. Clinical Adult Cardiology.
No description available.
Fall BIOL3110 S13 10041 Arranged 'To Be Arranged'
Fall BIOL3110 S14 10042 Arranged 'To Be Arranged'
Fall BIOL3110 S24 10043 Arranged 'To Be Arranged'
Spr BIOL3110 S33 20012 Arranged 'To Be Arranged'
Spr BIOL3110 S34 20013 Arranged 'To Be Arranged'

BIOL 3120. Coronary Care Unit.
No description available.
Fall BIOL3120 S12 10044 Arranged 'To Be Arranged'
Fall BIOL3120 S13 10045 Arranged 'To Be Arranged'
Fall BIOL3120 S14 10046 Arranged 'To Be Arranged'
Fall BIOL3120 S22 10047 Arranged 'To Be Arranged'
Fall BIOL3120 S24 10048 Arranged 'To Be Arranged'
Spr BIOL3120 S32 20014 Arranged 'To Be Arranged'
Spr BIOL3120 S34 20015 Arranged 'To Be Arranged'

BIOL 3130. Community General Cardiology.
No description available.

BIOL 3140. Cardiology.
No description available.
Fall BIOL3140 S14 10049 Arranged 'To Be Arranged'
Fall BIOL3140 S22 10050 Arranged 'To Be Arranged'
Fall BIOL3140 S24 10051 Arranged 'To Be Arranged'

BIOL 3165. Med/Peds Infectious Diseases.
No description available.
Fall BIOL3165 S14 10052 Arranged 'To Be Arranged'
Fall BIOL3165 S24 10053 Arranged 'To Be Arranged'
Spr BIOL3165 S32 20016 Arranged 'To Be Arranged'

BIOL 3170. Urgent Care.
No description available.
Fall BIOL3170 S12 10054 Arranged 'To Be Arranged'
Fall BIOL3170 S21 10055 Arranged 'To Be Arranged'
Fall BIOL3170 S22 10056 Arranged 'To Be Arranged'
Fall BIOL3170 S24 10057 Arranged 'To Be Arranged'
Spr BIOL3170 S32 20017 Arranged 'To Be Arranged'

BIOL 3180. Hospice and Palliative Medicine.
No description available.
Fall BIOL3180 S12 10058 Arranged 'To Be Arranged'
Fall BIOL3180 S13 10059 Arranged 'To Be Arranged'
Fall BIOL3180 S14 10060 Arranged 'To Be Arranged'
Fall BIOL3180 S22 10061 Arranged 'To Be Arranged'
Fall BIOL3180 S24 10062 Arranged 'To Be Arranged'
Spr BIOL3180 S34 20018 Arranged 'To Be Arranged'

BIOL 3190. Palliative Care - RIH.
No description available.
Fall BIOL3190 S24 10063 Arranged 'To Be Arranged'

BIOL 3200. Tropical Medicine in East Africa.
No description available.
Fall BIOL3200 S14 10064 Arranged 'To Be Arranged'
Fall BIOL3200 S15 10065 Arranged 'To Be Arranged'
Fall BIOL3200 S18 10066 Arranged 'To Be Arranged'
Fall BIOL3200 S24 10067 Arranged 'To Be Arranged'
Fall BIOL3200 S25 10068 Arranged 'To Be Arranged'
Fall BIOL3200 S28 10069 Arranged 'To Be Arranged'

BIOL 3205. International Critical Care at Tuebingen.
No description available.

No description available.

BIOL 3210. Hospice and Palliative Medicine.
No description available.

BIOL 3215. Internal Medicine Night Float.
No description available.

BIOL 3220. Endocrinology.
No description available.
Fall BIOL3220 S14 10070 Arranged 'To Be Arranged'
Fall BIOL3220 S22 10071 Arranged 'To Be Arranged'
Fall BIOL3220 S24 10072 Arranged 'To Be Arranged'

BIOL 3230. Hematology Oncology.
No description available.
Fall BIOL3230 S12 10073 Arranged 'To Be Arranged'
Fall BIOL3230 S14 10074 Arranged 'To Be Arranged'
Fall BIOL3230 S24 10075 Arranged 'To Be Arranged'
Spr BIOL3230 S32 20019 Arranged 'To Be Arranged'
Spr BIOL3230 S34 20020 Arranged 'To Be Arranged'

BIOL 3240. Clinical Hematology/Oncology.
No description available.
Fall BIOL3240 S14 10076 Arranged 'To Be Arranged'
Fall BIOL3240 S24 10077 Arranged 'To Be Arranged'

BIOL 3260. Hematology Oncology.
No description available.
Fall BIOL3260 S24 10078 Arranged 'To Be Arranged'

BIOL 3270. Hematology.
No description available.
Fall BIOL3270 S12 10079 Arranged 'To Be Arranged'
Fall BIOL3270 S14 10080 Arranged 'To Be Arranged'
Fall BIOL3270 S22 10081 Arranged 'To Be Arranged'
Fall BIOL3270 S24 10082 Arranged 'To Be Arranged'
Biol 3380. Allergy.
No description available.
Fall Biol3380 S12 10083 Arranged 'To Be Arranged'
Fall Biol3380 S22 10084 Arranged 'To Be Arranged'
Fall Biol3380 S24 10085 Arranged 'To Be Arranged'
Spr Biol3380 S34 20021 Arranged 'To Be Arranged'

Biol 3390. Pulmonary Diseases.
No description available.
Fall Biol3390 S12 10086 Arranged 'To Be Arranged'
Fall Biol3390 S14 10087 Arranged 'To Be Arranged'
Fall Biol3390 S24 10088 Arranged 'To Be Arranged'
Spr Biol3390 S34 20022 Arranged 'To Be Arranged'

Biol 3330. Pulmonary Diseases.
No description available.
Fall Biol3330 S12 10089 Arranged 'To Be Arranged'
Fall Biol3330 S14 10090 Arranged 'To Be Arranged'
Fall Biol3330 S22 10091 Arranged 'To Be Arranged'
Fall Biol3330 S24 10092 Arranged 'To Be Arranged'
Spr Biol3330 S34 20023 Arranged 'To Be Arranged'

Biol 3310. Pulmonary Diseases.
No description available.
Fall Biol3310 S14 10093 Arranged 'To Be Arranged'
Fall Biol3310 S22 10094 Arranged 'To Be Arranged'
Fall Biol3310 S24 10095 Arranged 'To Be Arranged'
Spr Biol3310 S34 20024 Arranged 'To Be Arranged'

No description available.
Fall Biol3320 S10 10096 Arranged 'To Be Arranged'
Fall Biol3320 S14 10097 Arranged 'To Be Arranged'
Fall Biol3320 S24 10098 Arranged 'To Be Arranged'
Spr Biol3320 S34 20025 Arranged 'To Be Arranged'

Biol 3331. Subinternship in Medicine - MH.
No description available.
Fall Biol3331 S14 10099 Arranged 'To Be Arranged'
Fall Biol3331 S24 10100 Arranged 'To Be Arranged'

Biol 3332. Subinternship in Medicine - MHRI.
No description available.
Fall Biol3332 S14 10101 Arranged 'To Be Arranged'
Fall Biol3332 S24 10102 Arranged 'To Be Arranged'

Biol 3333. Subinternship in Medicine - RH.
No description available.
Fall Biol3333 S14 10103 Arranged 'To Be Arranged'
Fall Biol3333 S24 10104 Arranged 'To Be Arranged'

Biol 3334. Subinternship in Medicine - VAMC.
No description available.
Fall Biol3334 S14 10105 Arranged 'To Be Arranged'
Fall Biol3334 S24 10106 Arranged 'To Be Arranged'

Biol 3340. Subinternship in Medical Intensive Care (MICU).
No description available.
Fall Biol3340 S14 10107 Arranged 'To Be Arranged'
Fall Biol3340 S24 10108 Arranged 'To Be Arranged'
Spr Biol3340 S34 20026 Arranged 'To Be Arranged'

No description available.
Fall Biol3350 S14 10109 Arranged 'To Be Arranged'
Fall Biol3350 S24 10110 Arranged 'To Be Arranged'
Spr Biol3350 S34 20027 Arranged 'To Be Arranged'

No description available.
Fall Biol3370 S13 10111 Arranged 'To Be Arranged'
Fall Biol3370 S14 10112 Arranged 'To Be Arranged'
Fall Biol3370 S24 10113 Arranged 'To Be Arranged'
Spr Biol3370 S34 20028 Arranged 'To Be Arranged'

Biol 3390. Psychiatry in Medical Practice.
No description available.
Fall Biol3390 S12 10114 Arranged 'To Be Arranged'
Fall Biol3390 S14 10115 Arranged 'To Be Arranged'
Fall Biol3390 S15 10116 Arranged 'To Be Arranged'
Fall Biol3390 S22 10117 Arranged 'To Be Arranged'
Fall Biol3390 S23 10118 Arranged 'To Be Arranged'
Fall Biol3390 S24 10119 Arranged 'To Be Arranged'

Biol 3400. Medical Consultation - OB/Gyn.
No description available.
Fall Biol3400 S14 10120 Arranged 'To Be Arranged'
Fall Biol3400 S24 10121 Arranged 'To Be Arranged'
Spr Biol3400 S34 20029 Arranged 'To Be Arranged'

Biol 3405. Medical Consult in OB/Gyn and Periop Med.
No description available.
Fall Biol3405 S12 10122 Arranged 'To Be Arranged'
Fall Biol3405 S14 10123 Arranged 'To Be Arranged'
Fall Biol3405 S22 10124 Arranged 'To Be Arranged'
Fall Biol3405 S23 10125 Arranged 'To Be Arranged'
Fall Biol3405 S24 10126 Arranged 'To Be Arranged'
Spr Biol3405 S34 20030 Arranged 'To Be Arranged'

Biol 3410. Internal Medicine in the Dominican Republic.
No description available.
Fall Biol3410 S24 10127 Arranged 'To Be Arranged'

No description available.
Fall Biol3415 S14 10128 Arranged 'To Be Arranged'

No description available.
Fall Biol3420 S14 10129 Arranged 'To Be Arranged'
Fall Biol3420 S24 10130 Arranged 'To Be Arranged'

No description available.

Students will gain understanding of the basics of communication with and among the Deaf, including ASL, lip-reading, current technologies, and the use of interpreters.

No description available.

Biol 3490. Cardiology.
No description available.
Fall Biol3490 S14 10131 Arranged 'To Be Arranged'
Fall Biol3490 S22 10132 Arranged 'To Be Arranged'
Fall Biol3490 S23 10133 Arranged 'To Be Arranged'
Fall Biol3490 S24 10134 Arranged 'To Be Arranged'
Spr Biol3490 S34 20031 Arranged 'To Be Arranged'

Biol 3500. Cardiovascular Medicine - Outpatient and Inpatient Practice.
No description available.
Fall Biol3500 S14 10135 Arranged 'To Be Arranged'
Fall Biol3500 S22 10136 Arranged 'To Be Arranged'
Fall Biol3500 S24 10137 Arranged 'To Be Arranged'
Spr Biol3500 S34 20032 Arranged 'To Be Arranged'
### BIOL 3505. Medical and Interventional Pain Management.
No description available.
- Fall: BIOL3505 S14 10138 Arranged 'To Be Arranged'
- Fall: BIOL3505 S22 10139 Arranged 'To Be Arranged'
- Fall: BIOL3505 S24 10140 Arranged 'To Be Arranged'

### BIOL 3510. Clinical Reasoning and Human Errors in Medicine.
No description available.
- Fall: BIOL3510 S14 10141 Arranged 'To Be Arranged'
- Fall: BIOL3510 S24 10142 Arranged 'To Be Arranged'

### BIOL 3551. Advanced Clinical Mentorship in Renal.
No description available.
- Fall: BIOL3551 S21 10143 Arranged 'To Be Arranged'

### BIOL 3552. Advanced Clinical Mentorship in Dermatology.
No description available.
- Fall: BIOL3552 S11 10144 Arranged 'To Be Arranged'

### BIOL 3553. Advanced Clinical Mentorship in Cardiology.
No description available.
- Fall: BIOL3553 S12 10145 Arranged 'To Be Arranged'

### BIOL 3554. Advanced Clinical Mentorship in Endocrinology.
No description available.
- Fall: BIOL3554 S11 10146 Arranged 'To Be Arranged'

### BIOL 3555. Advanced Clinical Mentorship in Med/Peds Primary Care.
No description available.
- Fall: BIOL3555 S11 10146 Arranged 'To Be Arranged'

### BIOL 3556. Advanced Clinical Mentorship in Infectious Disease.
No description available.
- Fall: BIOL3556 S21 10147 Arranged 'To Be Arranged'

### BIOL 3557. Advanced Clinical Mentorship in Comprehensive HIV Care.
No description available.
- Fall: BIOL3557 S22 10148 Arranged 'To Be Arranged'

### BIOL 3558. Advanced Clinical Mentorship in Adult Oncology.
No description available.
- Fall: BIOL3558 S21 10149 Arranged 'To Be Arranged'

### BIOL 3559. Advanced Clinical Mentorship in Hematology/Oncology.
No description available.
- Fall: BIOL3559 S12 10150 Arranged 'To Be Arranged'
- Fall: BIOL3559 S21 10151 Arranged 'To Be Arranged'
- Spr: BIOL3559 S42 20033 Arranged 'To Be Arranged'

### BIOL 3560. Advanced Clinical Mentorship in Pulmonary Disease.
No description available.
- Fall: BIOL3560 S21 10152 Arranged 'To Be Arranged'

### BIOL 3561. Advanced Clinical Mentorship in Rheumatology.
No description available.
- Fall: BIOL3561 S11 10152 Arranged 'To Be Arranged'

### BIOL 3562. Advanced Clinical Mentorship in Internal Medicine.
No description available.
- Fall: BIOL3562 S11 10153 Arranged 'To Be Arranged'
- Fall: BIOL3562 S21 10154 Arranged 'To Be Arranged'
- Fall: BIOL3562 S22 10155 Arranged 'To Be Arranged'

### BIOL 3563. Advanced Clinical Mentorship in Gastroenterology.
No description available.
- Fall: BIOL3563 S11 10156 Arranged 'To Be Arranged'
- Fall: BIOL3563 S12 10157 Arranged 'To Be Arranged'
- Fall: BIOL3563 S21 10158 Arranged 'To Be Arranged'

### BIOL 3564. Advanced Clinical Mentorship in Functional Neurosurgery.
No description available.
- Fall: BIOL3564 S11 10159 Arranged 'To Be Arranged'
- Fall: BIOL3564 S22 10160 Arranged 'To Be Arranged'

### BIOL 3565. Advanced Clinical Mentorship in Neurology.
No description available.
- Fall: BIOL3565 S11 10159 Arranged 'To Be Arranged'
- Fall: BIOL3565 S22 10160 Arranged 'To Be Arranged'

### BIOL 3566. Advanced Clinical Mentorship in Orthopedic Surgery.
No description available.
- Fall: BIOL3566 S11 10161 Arranged 'To Be Arranged'
- Fall: BIOL3566 S21 10162 Arranged 'To Be Arranged'

### BIOL 3567. Advanced Clinical Mentorship in Anesthesiology.
No description available.
- Fall: BIOL3567 S11 10163 Arranged 'To Be Arranged'
- Fall: BIOL3567 S22 10164 Arranged 'To Be Arranged'

### BIOL 3568. Advanced Clinical Mentorship in Ophthalmology.
No description available.
- Fall: BIOL3568 S11 10165 Arranged 'To Be Arranged'
- Fall: BIOL3568 S12 10166 Arranged 'To Be Arranged'
- Fall: BIOL3568 S21 10167 Arranged 'To Be Arranged'
- Fall: BIOL3568 S22 10168 Arranged 'To Be Arranged'

### BIOL 3569. Advanced Clinical Mentorship in Surgery.
No description available.
- Fall: BIOL3569 S11 10169 Arranged 'To Be Arranged'
- Fall: BIOL3569 S12 10170 Arranged 'To Be Arranged'
- Fall: BIOL3569 S21 10171 Arranged 'To Be Arranged'
- Fall: BIOL3569 S22 10172 Arranged 'To Be Arranged'

### BIOL 3570. Advanced Clinical Mentorship in Pediatric Surgery.
No description available.
- Fall: BIOL3570 S21 10173 Arranged 'To Be Arranged'

### BIOL 3571. Advanced Clinical Mentorship in Urology.
No description available.
- Fall: BIOL3571 S11 10174 Arranged 'To Be Arranged'

### BIOL 3572. Advanced Clinical Mentorship in Hand Surgery.
No description available.
- Fall: BIOL3572 S11 10175 Arranged 'To Be Arranged'

### BIOL 3573. Advanced Clinical Mentorship in ENT.
No description available.
- Fall: BIOL3573 S11 10176 Arranged 'To Be Arranged'

### BIOL 3574. Advanced Clinical Mentorship in Pancreatic Surgery.
No description available.
- Fall: BIOL3574 S11 10177 Arranged 'To Be Arranged'

### BIOL 3575. Advanced Clinical Mentorship in Pediatric Neurology.
No description available.
- Fall: BIOL3575 S11 10178 Arranged 'To Be Arranged'

### BIOL 3576. Advanced Clinical Mentorship in Pediatrics.
No description available.
- Fall: BIOL3576 S11 10179 Arranged 'To Be Arranged'

### BIOL 3577. Advanced Clinical Mentorship in OB/Gyn.
No description available.
- Fall: BIOL3577 S11 10180 Arranged 'To Be Arranged'

### BIOL 3578. Advanced Clinical Mentorship in Outpatient Psychiatry.
No description available.
- Fall: BIOL3578 S21 10184 Arranged 'To Be Arranged'

### BIOL 3579. Advanced Clinical Mentorship in Child Psychiatry.
No description available.
- Fall: BIOL3579 S12 10185 Arranged 'To Be Arranged'

### BIOL 3580. Advanced Clinical Mentorship in Clinical Rehabilitation Medicine.
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**Biology Courses:**

BIOL 3645. IMS-1 General Pathology

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BIOL 3970. Orthopedic Surgery in the Community.
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BIOL 3975. Primary Care Orthopedics.
No description available.
Fall BIOL3975 S12 10268 Arranged 'To Be Arranged'

No description available.
Fall BIOL3980 S14 10269 Arranged 'To Be Arranged'
Fall BIOL3980 S22 10270 Arranged 'To Be Arranged'
Fall BIOL3980 S24 10271 Arranged 'To Be Arranged'

BIOL 3990. Pediatric Orthopedic Surgery.
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Fall BIOL3990 S12 10272 Arranged 'To Be Arranged'
Fall BIOL3990 S14 10273 Arranged 'To Be Arranged'
Fall BIOL3990 S22 10274 Arranged 'To Be Arranged'

BIOL 4000. Outpatient Orthopedics.
No description available.
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BIOL 4010. Anesthesiology.
No description available.
Fall BIOL4010 S10 10276 Arranged 'To Be Arranged'
Fall BIOL4010 S12 10277 Arranged 'To Be Arranged'
Fall BIOL4010 S14 10278 Arranged 'To Be Arranged'
Fall BIOL4010 S21 10279 Arranged 'To Be Arranged'
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Fall BIOL4010 S24 10281 Arranged 'To Be Arranged'
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BIOL 4011. Anesthesiology - MH.
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Fall BIOL4011 S14 10283 Arranged 'To Be Arranged'
Fall BIOL4011 S22 10284 Arranged 'To Be Arranged'
Fall BIOL4011 S24 10285 Arranged 'To Be Arranged'

BIOL 4012. Anesthesiology - RIH.
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Fall BIOL4012 S12 10286 Arranged 'To Be Arranged'
Fall BIOL4012 S14 10287 Arranged 'To Be Arranged'
Fall BIOL4012 S22 10288 Arranged 'To Be Arranged'
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BIOL 4013. Anesthesiology - WIH.
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Fall BIOL4013 S12 10290 Arranged 'To Be Arranged'
Fall BIOL4013 S14 10291 Arranged 'To Be Arranged'
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BIOL 4020. Pediatric Anesthesiology.
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Fall BIOL4020 S14 10295 Arranged 'To Be Arranged'
Fall BIOL4020 S22 10296 Arranged 'To Be Arranged'
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BIOL 4030. Ophthalmology.
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Fall BIOL4030 S12 10300 Arranged 'To Be Arranged'
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BIOL 4040. Ophthalmology in a Missionary Hospital.
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BIOL 4100. Pediatric Surgery.
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BIOL 4110. Adult Cardiac Surgery.
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Fall BIOL4110 S13 10315 Arranged 'To Be Arranged'
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BIOL 4120. Cardiothoracic Surgery.
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BIOL 4130. Subinternship in Cardiovascular Surgery.
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Fall BIOL4130 S22 10322 Arranged 'To Be Arranged'
Fall BIOL4130 S23 10323 Arranged 'To Be Arranged'
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BIOL 4140. Endocrine Surgery.
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BIOL 4150. Clinical Urology.
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Fall BIOL4150 S22 10328 Arranged 'To Be Arranged'

BIOL 4155. Subinternship in Urology.
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<th>Credits</th>
<th>Year 1</th>
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<td>BIOL 4170</td>
<td>Plastic Surgery</td>
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<td>BIOL 4197</td>
<td>Vascular Surgery</td>
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<td>Head/Neck Pathology-Maxillofacial Surgery</td>
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<td>BIOL 4500</td>
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<td>Six weeks</td>
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<td>Clerkship in Pediatrics - LIC</td>
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<td>Adolescent Medicine</td>
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The Warren Alpert Medical School of Brown University
BIOL 4600. Pediatric Neurorehabilitation.
No description available.
Fall BIOL4600 S12 10396 Arranged 'To Be Arranged'
Fall BIOL4600 S22 10397 Arranged 'To Be Arranged'
Fall BIOL4600 S24 10398 Arranged 'To Be Arranged'
Spr BIOL4600 S32 20080 Arranged 'To Be Arranged'

BIOL 4620. Subinternship in Perinatal Medicine (NICU).
No description available.
Fall BIOL4620 S14 10399 Arranged 'To Be Arranged'
Fall BIOL4620 S24 10400 Arranged 'To Be Arranged'

BIOL 4680. Subinternship in Pediatric Hematology-Onatology.
No description available.
Fall BIOL4680 S14 10411 Arranged 'To Be Arranged'
Fall BIOL4680 S24 10412 Arranged 'To Be Arranged'

BIOL 4900. Core Clerkship in Obstetrics and Gynecology.
Six weeks.
Fall BIOL4900 S01 10413 Arranged 'To Be Arranged'
Fall BIOL4900 S02 10414 Arranged 'To Be Arranged'
Spr BIOL4900 S03 20083 Arranged 'To Be Arranged'

BIOL 4905. Individualized Clerkship in Ob/Gyn.
No description available.
BIOL 5100. Core Clerkship in Psychiatry.
Six weeks.
Fall BIOL5100 S01 10443 Arranged 'To Be Arranged'
Fall BIOL5100 S02 10444 Arranged 'To Be Arranged'
Spr BIOL5100 S03 20090 Arranged 'To Be Arranged'

BIOL 5105. Individualized Clerkship in Psychiatry.
No description available.

BIOL 5110. Subinternship in Psychiatry.
No description available.
Fall BIOL5110 S14 10445 Arranged 'To Be Arranged'
Fall BIOL5110 S24 10446 Arranged 'To Be Arranged'
Spr BIOL5110 S34 20091 Arranged 'To Be Arranged'

BIOL 5130. Addiction Psychiatry.
No description available.
Fall BIOL5130 S12 10447 Arranged 'To Be Arranged'
Fall BIOL5130 S13 10448 Arranged 'To Be Arranged'
Fall BIOL5130 S14 10449 Arranged 'To Be Arranged'
Fall BIOL5130 S22 10450 Arranged 'To Be Arranged'
Fall BIOL5130 S24 10451 Arranged 'To Be Arranged'
Spr BIOL5130 S34 20092 Arranged 'To Be Arranged'

No description available.
Fall BIOL5140 S14 10452 Arranged 'To Be Arranged'
Fall BIOL5140 S24 10453 Arranged 'To Be Arranged'

BIOL 5150. Neuropsychiatry and Behavioral Neurology.
No description available.
Fall BIOL5150 S14 10454 Arranged 'To Be Arranged'
Fall BIOL5150 S22 10455 Arranged 'To Be Arranged'
Fall BIOL5150 S24 10456 Arranged 'To Be Arranged'

BIOL 5160. Women's Mental Health Elective.
No description available.
Fall BIOL5160 S12 10457 Arranged 'To Be Arranged'
Fall BIOL5160 S14 10458 Arranged 'To Be Arranged'
Fall BIOL5160 S22 10459 Arranged 'To Be Arranged'
Fall BIOL5160 S24 10460 Arranged 'To Be Arranged'

No description available.
Fall BIOL5210 S12 10461 Arranged 'To Be Arranged'
Fall BIOL5210 S14 10462 Arranged 'To Be Arranged'
Fall BIOL5210 S22 10463 Arranged 'To Be Arranged'
Fall BIOL5210 S24 10464 Arranged 'To Be Arranged'

No description available.
Fall BIOL5220 S14 10465 Arranged 'To Be Arranged'
Fall BIOL5220 S24 10466 Arranged 'To Be Arranged'
Spr BIOL5220 S34 20093 Arranged 'To Be Arranged'

No description available.
Fall BIOL5230 S22 10467 Arranged 'To Be Arranged'
Fall BIOL5230 S24 10468 Arranged 'To Be Arranged'

BIOL 5240. Healthcare for Homeless Communities.
No description available.

BIOL 5270. Psychiatry of Late Life.
No description available.
Fall BIOL5270 S22 10469 Arranged 'To Be Arranged'
Fall BIOL5270 S24 10470 Arranged 'To Be Arranged'

BIOL 5300. Clerkship in Psychiatry-Clinical Neuroscience.
Six weeks.
Fall BIOL5300 S01 10471 Arranged 'To Be Arranged'
Fall BIOL5300 S02 10472 Arranged 'To Be Arranged'

BIOL 5315. Clerkship in Psychiatry.
No description available.
Fall BIOL5315 S01 10473 Arranged 'To Be Arranged'
Fall BIOL5315 S02 10474 Arranged 'To Be Arranged'

BIOL 5320. Clerkship in Psychiatry - LIC.
No description available.

BIOL 5325. Clerkship in Neurology.
No description available.
Fall BIOL5325 S01 10475 Arranged 'To Be Arranged'
Fall BIOL5325 S02 10476 Arranged 'To Be Arranged'

BIOL 5330. Clerkship in Neurology - LIC.
No description available.

BIOL 5400. Core Clerkship in Community Health.
Six weeks.
Fall BIOL5400 S01 10477 Arranged 'To Be Arranged'
Fall BIOL5400 S02 10478 Arranged 'To Be Arranged'

BIOL 5460. Physical Medicine and Rehabilitation.
No description available.
Fall BIOL5460 S23 10479 Arranged 'To Be Arranged'
Fall BIOL5460 S24 10480 Arranged 'To Be Arranged'

BIOL 5480. Rural Community Medicine.
No description available.
Fall BIOL5480 S12 10481 Arranged 'To Be Arranged'
Fall BIOL5480 S14 10482 Arranged 'To Be Arranged'
Fall BIOL5480 S22 10483 Arranged 'To Be Arranged'
Fall BIOL5480 S24 10484 Arranged 'To Be Arranged'

BIOL 5490. Geriatrics and Rehabilitation.
No description available.
Fall BIOL5490 S12 10485 Arranged 'To Be Arranged'
Fall BIOL5490 S14 10486 Arranged 'To Be Arranged'
Fall BIOL5490 S24 10487 Arranged 'To Be Arranged'
Spr BIOL5490 S34 20094 Arranged 'To Be Arranged'

BIOL 5510. Introduction to the Basic Science Curriculum in the Medical School.
The preclinical elective is designed for PLME students who will enter the Alpert Medical School. The seminar series provides perspectives on teaching and learning in the Alpert Medical School—with a specific focus on understanding how the basic sciences are addressed in lectures and in the laboratory.

BIOL 5525. Medical French Elective.
No description available.

BIOL 5530. College Student Health.
No description available.

BIOL 5540. Controversies in Health Care Policy.
No description available.

BIOL 5560. Law and Medicine.
No description available.

BIOL 5570. Elective in San Lucas Toliman, Guatemala.
No description available.

BIOL 5580. Frontier Nursing Service, Mary Breckinridge Hospital.
No description available.

BIOL 5590. Mississippi Family Health Center.
No description available.

BIOL 5600. Rural Family Practice.
No description available.
Fall BIOL5600 S12 10488 Arranged 'To Be Arranged'
Fall BIOL5600 S23 10489 Arranged 'To Be Arranged'
No description available.
Fall BIOL5620 S14 10490 Arranged 'To Be Arranged'
Fall BIOL5620 S24 10491 Arranged 'To Be Arranged'
Spr BIOL5620 S34 20095 Arranged 'To Be Arranged'

BIOL 5630. Emergency Medicine.
No description available.
Fall BIOL5630 S12 10492 Arranged 'To Be Arranged'
Fall BIOL5630 S14 10493 Arranged 'To Be Arranged'
Fall BIOL5630 S22 10494 Arranged 'To Be Arranged'
Fall BIOL5630 S24 10495 Arranged 'To Be Arranged'
Spr BIOL5630 S32 20096 Arranged 'To Be Arranged'
Spr BIOL5630 S34 20097 Arranged 'To Be Arranged'

BIOL 5640. Point of Care Ultrasound.
No description available.
Fall BIOL5640 S14 10496 Arranged 'To Be Arranged'
Fall BIOL5640 S22 10497 Arranged 'To Be Arranged'

No description available.
Fall BIOL5650 S14 10498 Arranged 'To Be Arranged'
Fall BIOL5650 S22 10499 Arranged 'To Be Arranged'
Fall BIOL5650 S23 10500 Arranged 'To Be Arranged'
Fall BIOL5650 S24 10501 Arranged 'To Be Arranged'
Spr BIOL5650 S34 20098 Arranged 'To Be Arranged'

BIOL 5660. Wilderness and Environmental Medicine.
No description available.

BIOL 5680. Core Clerkship in Family Medicine - LIC.
Six weeks.
Fall BIOL5800 S01 10502 Arranged 'To Be Arranged'
Fall BIOL5800 S02 10503 Arranged 'To Be Arranged'
Spr BIOL5800 S03 20099 Arranged 'To Be Arranged'

BIOL 5805. Individualized Clerkship in Family Medicine.
No description available.
Fall BIOL5815 S14 10507 Arranged 'To Be Arranged'
Fall BIOL5815 S24 10508 Arranged 'To Be Arranged'

No description available.
Fall BIOL5810 S13 10504 Arranged 'To Be Arranged'
Fall BIOL5810 S14 10505 Arranged 'To Be Arranged'
Fall BIOL5810 S24 10506 Arranged 'To Be Arranged'
Spr BIOL5810 S34 20100 Arranged 'To Be Arranged'

BIOL 5815. Subinternship in Maternal and Child Health.
No description available.
Fall BIOL5815 S14 10507 Arranged 'To Be Arranged'
Fall BIOL5815 S24 10508 Arranged 'To Be Arranged'

BIOL 5820. Elective in Family Medicine.
No description available.
Fall BIOL5820 S12 10509 Arranged 'To Be Arranged'
Fall BIOL5820 S14 10510 Arranged 'To Be Arranged'
Fall BIOL5820 S22 10511 Arranged 'To Be Arranged'
Fall BIOL5820 S24 10512 Arranged 'To Be Arranged'
Spr BIOL5820 S32 20101 Arranged 'To Be Arranged'

BIOL 5830. Free Clinic Preceptorship.
No description available.

BIOL 5850. Primary Care Sports Medicine.
No description available.
Fall BIOL5850 S12 10513 Arranged 'To Be Arranged'
Fall BIOL5850 S14 10514 Arranged 'To Be Arranged'
Fall BIOL5850 S22 10515 Arranged 'To Be Arranged'
Fall BIOL5850 S24 10516 Arranged 'To Be Arranged'
Spr BIOL5850 S34 20102 Arranged 'To Be Arranged'

BIOL 5870. Subinternship in Family Medicine.
No description available.
Fall BIOL5870 S14 10517 Arranged 'To Be Arranged'
Fall BIOL5870 S24 10518 Arranged 'To Be Arranged'

BIOL 5880. Clinical Skills Clerkship Teaching Academy.
No description available.

BIOL 5885. Clinical Skills Clerkship.
No description available.
Fall BIOL5885 S01 10519 Arranged 'To Be Arranged'
Fall BIOL5885 S11 10520 Arranged 'To Be Arranged'

BIOL 5895. Medical Spanish.
No description available.
Fall BIOL5895 S14 10521 Arranged 'To Be Arranged'
Fall BIOL5895 S18 10522 Arranged 'To Be Arranged'
Fall BIOL5895 S22 10523 Arranged 'To Be Arranged'
Fall BIOL5895 S25 10524 Arranged 'To Be Arranged'
Fall BIOL5895 S28 10525 Arranged 'To Be Arranged'

BIOL 5896. Fundamentals of Health Policy and Management.
No description available.
Fall BIOL5896 S22 10526 Arranged 'To Be Arranged'

BIOL 5900. Art and Medicine Seminar.
No description available.

BIOL 5920. Public Health and Primary Care in Rural Honduras.
No description available.
Fall BIOL5920 S11 10527 Arranged 'To Be Arranged'

BIOL 5990. Internship Preparation Elective.
No description available.

BIOL 6010. Human Anatomy.
No description available.
Fall BIOL6010 S14 10528 Arranged 'To Be Arranged'
Spr BIOL6010 S34 20103 Arranged 'To Be Arranged'

BIOL 6110. Applied Pathology.
No description available.
Fall BIOL6110 S12 10529 Arranged (S. Mangray)
Fall BIOL6110 S13 10530 Arranged 'To Be Arranged'
Fall BIOL6110 S14 10531 Arranged 'To Be Arranged'
Fall BIOL6110 S22 10532 Arranged 'To Be Arranged'
Fall BIOL6110 S24 10533 Arranged 'To Be Arranged'
Spr BIOL6110 S32 20104 Arranged 'To Be Arranged'
Spr BIOL6110 S34 20105 Arranged 'To Be Arranged'

BIOL 6120. Research in Perinatal/Pediatric Pathology.
No description available.
Fall BIOL6120 S22 10534 Arranged 'To Be Arranged'
Spr BIOL6120 S34 20106 Arranged 'To Be Arranged'

BIOL 6140. Seminar in Clinical Pathological, Developmental and Pediatric Pathology.
No description available.
Fall BIOL6140 S11 10535 Arranged 'To Be Arranged'
Fall BIOL6140 S12 10536 Arranged 'To Be Arranged'
Fall BIOL6140 S14 10537 Arranged 'To Be Arranged'
Fall BIOL6140 S22 10538 Arranged 'To Be Arranged'
Fall BIOL6140 S24 10539 Arranged 'To Be Arranged'
Spr BIOL6140 S32 20107 Arranged 'To Be Arranged'
Spr BIOL6140 S34 20108 Arranged 'To Be Arranged'
BIOL 6150. Neuropathology.
No description available.
Fall BIOL6150 S12 10540 Arranged 'To Be Arranged'
Fall BIOL6150 S22 10541 Arranged 'To Be Arranged'
Fall BIOL6150 S24 10542 Arranged 'To Be Arranged'

BIOL 6260. Radiation Oncology in a Private Practice Setting.
No description available.
Fall BIOL6260 S22 10543 Arranged 'To Be Arranged'
Spr BIOL6260 S32 20109 Arranged 'To Be Arranged'

BIOL 6280. Diagnostic Radiology and Nuclear Medicine.
No description available.
Fall BIOL6280 S12 10544 Arranged 'To Be Arranged'
Fall BIOL6280 S22 10545 Arranged 'To Be Arranged'
Spr BIOL6280 S32 20110 Arranged 'To Be Arranged'
Spr BIOL6280 S34 20111 Arranged 'To Be Arranged'

BIOL 6290. Diagnostic Radiology.
No description available.
Fall BIOL6290 S12 10546 Arranged 'To Be Arranged'
Fall BIOL6290 S13 10547 Arranged 'To Be Arranged'
Fall BIOL6290 S14 10548 Arranged 'To Be Arranged'
Fall BIOL6290 S22 10549 Arranged 'To Be Arranged'
Fall BIOL6290 S23 10550 Arranged 'To Be Arranged'
Fall BIOL6290 S24 10551 Arranged 'To Be Arranged'
Spr BIOL6290 S32 20112 Arranged 'To Be Arranged'
Spr BIOL6290 S34 20113 Arranged 'To Be Arranged'

BIOL 6300. Nuclear Medicine Preceptorship.
No description available.
Fall BIOL6300 S12 10552 Arranged 'To Be Arranged'
Fall BIOL6300 S21 10553 Arranged 'To Be Arranged'
Fall BIOL6300 S22 10554 Arranged 'To Be Arranged'
Fall BIOL6300 S24 10555 Arranged 'To Be Arranged'

BIOL 6310. Subinternship in Interventional Radiology.
No description available.
Fall BIOL6310 S14 10556 Arranged 'To Be Arranged'
Fall BIOL6310 S24 10557 Arranged 'To Be Arranged'

BIOL 6320. Vascular and Interventional Radiology.
No description available.
Fall BIOL6320 S12 10558 Arranged 'To Be Arranged'
Fall BIOL6320 S13 10559 Arranged 'To Be Arranged'
Fall BIOL6320 S14 10560 Arranged 'To Be Arranged'
Fall BIOL6320 S22 10561 Arranged 'To Be Arranged'
Fall BIOL6320 S24 10562 Arranged 'To Be Arranged'

BIOL 6330. Body Imaging and Intervention.
No description available.
Fall BIOL6330 S12 10563 Arranged 'To Be Arranged'
Fall BIOL6330 S14 10564 Arranged 'To Be Arranged'
Fall BIOL6330 S22 10565 Arranged 'To Be Arranged'
Fall BIOL6330 S24 10566 Arranged 'To Be Arranged'
Spr BIOL6330 S34 20114 Arranged 'To Be Arranged'

BIOL 6360. Neuroradiology.
No description available.
Fall BIOL6360 S12 10567 Arranged 'To Be Arranged'
Fall BIOL6360 S14 10568 Arranged 'To Be Arranged'
Fall BIOL6360 S22 10569 Arranged 'To Be Arranged'
Fall BIOL6360 S24 10570 Arranged 'To Be Arranged'
Spr BIOL6360 S32 20115 Arranged 'To Be Arranged'

BIOL 6380. Pediatric Radiology.
No description available.
Fall BIOL6380 S12 10571 Arranged 'To Be Arranged'
Fall BIOL6380 S13 10572 Arranged 'To Be Arranged'
Fall BIOL6380 S14 10573 Arranged 'To Be Arranged'
Fall BIOL6380 S22 10574 Arranged 'To Be Arranged'
Fall BIOL6380 S24 10575 Arranged 'To Be Arranged'

BIOL 6390. Intro to Women’s Diagnostic Imaging.
No description available.
Fall BIOL6390 S12 10576 Arranged 'To Be Arranged'
Fall BIOL6390 S22 10577 Arranged 'To Be Arranged'
Spr BIOL6390 S32 20116 Arranged 'To Be Arranged'

BIOL 6400. Radiation Oncology.
No description available.
Fall BIOL6400 S12 10578 Arranged 'To Be Arranged'
Fall BIOL6400 S14 10579 Arranged 'To Be Arranged'
Fall BIOL6400 S22 10580 Arranged 'To Be Arranged'
Fall BIOL6400 S24 10581 Arranged 'To Be Arranged'
Spr BIOL6400 S32 20117 Arranged 'To Be Arranged'
Spr BIOL6400 S34 20118 Arranged 'To Be Arranged'

BIOL 6500. Cancer Action and Reflection (CARE).
No description available.

BIOL 6501. Medical Chinese Elective.
Students will attain a working knowledge of Chinese relevant to medical practice in order to better communicate with and serve Chinese-speaking patients. Open to students who are proficient in the Mandarin dialect of Chinese.

BIOL 6502. Intermediate Medical Spanish.
The course is designed for students to gain beginning-level competence in Medical Spanish that will enable them to communicate more effectively with Spanish-speaking patients and their families. Specifically, the students will develop critical Spanish lexicon and language skills for conducting the medical interview. Perquisite: Background in Spanish.
Grading: S/NC

BIOL 6503. Poverty, Health and Law.
No description available.

BIOL 6504. Health Care in America.
No description available.

BIOL 6505. Introduction to Multidisciplinary Fetal Medicine.
An 8-session elective seminar for 2nd year medical school students. Emphasis is placed on the multidisciplinary approach to medical problems. The course concentrates on those conditions for which fetal and/or neonatal intervention may be indicated, from gene therapy to fetal surgical intervention.

No description available.

BIOL 6507. Elective in Mindfulness Training.
No description available.

BIOL 6508. Gender and Sexuality in Healthcare: Caring for All Patients.
The goal of the course is to provide medical students with the knowledge needed to effectively and competently work with a growingly diverse patient (and colleague) population. Contemporary medical school curricula are lacking in the instruction and discussion of patients of all genders and sexualities. This elective will address this need. The course will consist of eight 2-hour sessions, with guest speakers lecturing for the first hour and small group discussion happening for the second hour. Students are required to keep a journal of their experiences as their final assignment for the class. The class will be graded S/NC.
The topics range from LGBTQ Teenagers to Institutionalized Homophobia to Hormone Therapy, led by experts in each field.

BIOL 6509. Introduction to Surgical Subspecialties.
No description available.
BIOL 6510. Topics in Medicine - An International Perspective at University of Rostock, Germany.
No description available.

BIOL 6511. Comparative Medical Ethics at University of Tuebingen, Germany.
No description available.

BIOL 6512. Modern Genetics: Ethics, Policy, and the Doctor-Patient Relationship.
No description available.

BIOL 6513. (Play)writing and Medicine.
No description available.

This elective seminar for 1st and 2nd year medical school and PLME students will introduce them to the world of complementary and alternative forms of healing (CAM) and place it into a framework of an Integrative medicine.

BIOL 6515. Humanities as Medical Instruments.
No description available.

BIOL 6516. Race, Health Disparities, and Biomedical Interpretations.
No description available.

BIOL 6517. Diseases, Doctors and Divas.
No description available.

BIOL 6518. Design and Health.
No description available.

BIOL 6519. Leadership in the Health Professions.
No description available.

BIOL 6520. Artists and Scientists as Partners.
No description available.

BIOL 6521. Advanced Spanish.
No description available.

BIOL 6522. The Healer’s Art.
No description available.

BIOL 6524. Introduction to Sports Medicine.
No description available.

No description available.

BIOL 6526. Neuroimaging of Mindfulness + Contemplative Practice.
No description available.

BIOL 6527. Physician as Medical Illustrator.
No description available.

BIOL 6528. Art and Healing.
No description available.

BIOL 6529. Addiction Medicine.
No description available.

BIOL 6530. Homeless Communities Health Outreach.
No description available.

BIOL 6533. Sex and Gender Based Medicine.
No description available.

BIOL 6534. Neurological Surgery.
No Description Available.

BIOL 6535. Biomedical Informatics.
No description available.

No description available.

BIOL 6537. Practical Skills in EMS and Disaster Response.
No description available.

BIOL 6539. Medical Journalism.
No description available.

No description available.

BIOL 6593. Medical Journalism.
No description available.

BIOL 6650. Medical Students Outreach to Mothers to Be (MOMS).
No description available.

BIOL 6651. The Bionic Human Elective.
No description available.

BIOL 6652. Wilderness Medicine Preclinical Elective.
The Wilderness Medicine elective is designed to instill the basic survival skills training necessary for environments outside the hospital, both urban and wild. It combines didactic lectures on such topics as toxicology and travel medicine with field skills sessions & workshops (e.g. suturing, splinting). These sessions also include mock medical scenarios, such as near drownings, for the students to handle. It includes off-campus consultation with experts to review their medical emergency procedures. A final project consisting of writing about a popular wilderness myth and its voracity is required.

BIOL 6653. Refugee Health and Advocacy.
No description available.

No description available.

No description available.

No description available.

BIOL 6657. Sexual Health.
No description available.

BIOL 6658. Medical Impact of Translational and Basic Science.
No description available.

BIOL 6659. Entrepreneurship in Medicine.
No description available.

No description available.

BIOL 6662. Environmental Health.
No description available.

BIOL 6663. Qualified Professional Test Counselor Certification Course.
No description available.

No description available.

BIOL 6665. Classroom Connection: Understanding Allergy and Immunology.
No description available.

BIOL 6666. Food and Health.
No description available.

BIOL 6667. Quantitative Statistics.
No description available.

BIOL 6668. Intro to Patient Safety + Quality Improvement.
No description available.

BIOL 6669. The Virtuous Physician.
No description available.

BIOL 6670. Narrative Medicine.
No description available.

No description available.

BIOL 6672. Introduction to Trauma.
No description available.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>BIOL 6674</td>
<td>Introduction to Diagnostic Imaging</td>
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<td>BIOL 6675</td>
<td>The Business of Medicine</td>
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<td>BIOL 6676</td>
<td>Intro to Dermatology</td>
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<td>BIOL 6677</td>
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<td>Introduction to the Electronic Health Record</td>
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<td>BIOL 6684</td>
<td>Advocacy in Action - Becoming a Citizen Physician</td>
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<td>BIOL 6685</td>
<td>Medicine in Film &amp; TV</td>
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<td>BIOL 6686</td>
<td>BE REAL About Health</td>
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<td>BIOL 6687</td>
<td>Trauma-Informed Patient Care</td>
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<td>BIOL 6688</td>
<td>Intro to Orthopaedic Surgery</td>
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<td>BIOL 6689</td>
<td>Pathways to Medicine</td>
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<td>An Introduction to the History of Medicine</td>
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<td>Introduction to Urology</td>
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<td>Introduction to Interventional Radiology</td>
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<td>BIOL 6693</td>
<td>Sexual Assault and Domestic Violence Training</td>
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<td>BIOL 6800</td>
<td>Elective in Biotechnology</td>
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<td>Away Elective 1</td>
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| BIOL 7010  | Away Elective 2                                                             | No description available |

| BIOL 7020  | Away Elective 3                                                             | No description available |

| BIOL 7030  | Away Elective 4                                                             | No description available |

| BIOL 7040  | Away Elective 5                                                             | No description available |

| BIOL 7050  | Away Elective                                                               | No description available |

| BIOL 7100  | Independent Study                                                          | No description available |
BIOL 7110. Independent Study 2.
No description available.
Fall BIOL7110 S11 10628 Arranged 'To Be Arranged'
Fall BIOL7110 S12 10629 Arranged 'To Be Arranged'
Fall BIOL7110 S13 10630 Arranged 'To Be Arranged'
Fall BIOL7110 S14 10631 Arranged 'To Be Arranged'
Fall BIOL7110 S16 10632 Arranged 'To Be Arranged'
Fall BIOL7110 S19 10633 Arranged 'To Be Arranged'
Fall BIOL7110 S21 10634 Arranged 'To Be Arranged'
Fall BIOL7110 S22 10635 Arranged 'To Be Arranged'
Fall BIOL7110 S23 10636 Arranged 'To Be Arranged'
Fall BIOL7110 S24 10637 Arranged 'To Be Arranged'
Fall BIOL7110 S25 10638 Arranged 'To Be Arranged'
Spr BIOL7110 S3 20135 Arranged 'To Be Arranged'
Spr BIOL7110 S4 20136 Arranged 'To Be Arranged'

BIOL 7120. Independent Study 3.
No description available.
Fall BIOL7120 S12 10639 Arranged 'To Be Arranged'
Fall BIOL7120 S22 10640 Arranged 'To Be Arranged'
Fall BIOL7120 S23 10641 Arranged 'To Be Arranged'
Fall BIOL7120 S24 10642 Arranged 'To Be Arranged'
Spr BIOL7120 S34 20137 Arranged 'To Be Arranged'

BIOL 7130. Independent Study.
No description available.

BIOL 7140. Approved Subinternship Independent Study.
No description available.
Fall BIOL7140 S16 10643 Arranged 'To Be Arranged'
Fall BIOL7140 S24 10644 Arranged 'To Be Arranged'
Spr BIOL7140 S34 20138 Arranged 'To Be Arranged'

BIOL 7150. Independent Study.
No description available.
Fall BIOL7150 S17 10645 Arranged 'To Be Arranged'

BIOL 7160. Scholarly Concentration Independent Study.
No description available.
Fall BIOL7160 S12 10646 Arranged 'To Be Arranged'
Fall BIOL7160 S13 10647 Arranged 'To Be Arranged'
Fall BIOL7160 S14 10648 Arranged 'To Be Arranged'
Fall BIOL7160 S15 10649 Arranged 'To Be Arranged'
Fall BIOL7160 S16 10650 Arranged 'To Be Arranged'
Fall BIOL7160 S1A 10651 Arranged 'To Be Arranged'
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Spr BIOL7160 S34 20139 Arranged 'To Be Arranged'
Spr BIOL7160 S35 20140 Arranged 'To Be Arranged'
Spr BIOL7160 S36 20141 Arranged 'To Be Arranged'

BIOL 7165. Scholarly Concentration Independent Study.
No description available.
Fall BIOL7165 S24 10658 Arranged 'To Be Arranged'

BIOL 7170. Academic Scholar Program.
No description available.

BIOL 7180. Advanced Independent Study.
No description available.
Fall BIOL7180 S2A 10659 Arranged 'To Be Arranged'

BIOL 7190. International Independent Study.
No description available.
Fall BIOL7190 S12 10660 Arranged 'To Be Arranged'
Fall BIOL7190 S22 10661 Arranged 'To Be Arranged'
Fall BIOL7190 S24 10662 Arranged 'To Be Arranged'

BIOL 7195. Independent Study in Infectious Disease - Ghana Exchange.
No description available.
Fall BIOL7195 S24 10663 Arranged 'To Be Arranged'

No description available.
Fall BIOL7196 S24 10664 Arranged 'To Be Arranged'

BIOL 7200. International Elective: University of Bologna (Italy).
No description available.
Fall BIOL7200 S14 10665 Arranged 'To Be Arranged'
Fall BIOL7200 S22 10666 Arranged 'To Be Arranged'

No description available.
Fall BIOL7205 S22 10667 Arranged 'To Be Arranged'
Fall BIOL7205 S24 10668 Arranged 'To Be Arranged'

BIOL 7210. International Elective: Moi University (Kenya).
No description available.

No description available.
Fall BIOL7215 S12 10689 Arranged 'To Be Arranged'
Fall BIOL7215 S24 10670 Arranged 'To Be Arranged'

No description available.

BIOL 7225. International Elective: University of Rostock (Germany).
No description available.

BIOL 7230. International Elective: Technion-Israel Institute of Technology.
No description available.
Fall BIOL7230 S23 10671 Arranged 'To Be Arranged'

No description available.
Fall BIOL7235 S14 10672 Arranged 'To Be Arranged'

BIOL 7240. International Elective: University of Tuebingen (Germany).
No description available.

No description available.

No description available.
Fall BIOL7247 S22 10673 Arranged 'To Be Arranged'

BIOL 7249. International Elective Kyoto University (Japan).
No description available.

BIOL 7250. International Elective University of Notre Dame Haiti.
No description available.
Fall BIOL7250 S24 10674 Arranged 'To Be Arranged'

BIOL 7255. International Elective EWHA Womans University (Korea).
No description available.

BIOL 7301. Seminar on Race + Health Disparities.
No description available.
Fall BIOL7301 S26 10675 Arranged 'To Be Arranged'

BIOL 7600. Approved Subinternship Away.
No description available.
Fall BIOL7600 S14 10676 Arranged 'To Be Arranged'
Fall BIOL7600 S23 10677 Arranged 'To Be Arranged'
Fall BIOL7600 S24 10678 Arranged 'To Be Arranged'
Spr BIOL7600 S34 20142 Arranged 'To Be Arranged'
MED 2010. Health Systems and Policy I. This course will explore how multiple social determinants influence individual and population health; the laws and policies that shape the social environments in which patients live; and the role of physicians in advocating for systems and policy changes that will reduce health disparities and improve population health outcomes.

MED 2030. Research Methods in Population Medicine. The thesis requirement for the Master of Science degree in Population Medicine is an integral component of the Primary Care-Population Medicine program at Brown University. This course well have students develop and demonstrate the necessary research skills to formulate a population medicine research question and then design, conduct and write a manuscript presenting a research study that will satisfy the thesis requirements. The course itself has three parts:

An introductory primary on biostatistics.
A research methodology seminar series.
A journal club in which the biostatistics and research methodology will be integrated in the analysis and critique of studies related to population medicine.

MED 2040. Health Systems and Policy II. This course will offer an overview of the critical issues in U.S. healthcare and public health policy. It will also provide future leaders in population medicine with a foundation for analyzing health reform and public health efforts and for identifying the role of physicians in driving and shaping future policy reforms to improve the healthcare system and population health.

MED 2045. Quantitative Reasoning. In this course, students will be introduced to fundamental concepts in clinical epidemiology and basic statistics, as they relate to population and clinical research. This course is intended to teach students both the basic knowledge required to develop and interpret clinical studies as well as the skills in order to conduct basic statistical analyses.

MED 2046. Leadership in Health Care. This course emphasizes practical application of teamwork and leadership skills across multiple settings. Leadership in Health Care is a master’s level course for second year medical students enrolled in the Primary Care-Population Medicine (PC-PM) program. Through interactive classroom sessions, field work in health care advocacy, and team-based “leadership action project,” students will develop foundational leadership skills. The first formal leadership course at Alpert Medical School, Leadership in Health Care will contribute to the PC-PM program’s ultimate goal of preparing physician leaders who will improve the quality of health care and wellness of the population.

MED 2050. Population and Clinical Medicine I. This is the first semester of Population and Clinical Medicine, a two-semester course focused on the integration of population medicine and clinical practice. In this course, students will focus on topics integral to clinical medicine, but expand beyond the patient into the population and beyond. Given the importance of population health interventions for impacting the health of vulnerable and underserved patients, the course will focus on issues affecting these populations.

MED 2060. Population and Clinical Medicine II. This is the second semester of Population and Clinical Medicine, a two-semester course focused on the integration of population medicine and clinical practice. In this course, students will focus on topics integral to clinical medicine, but expand beyond the patient into the population and beyond. Given the importance of population health interventions for impacting the health of vulnerable and underserved patients, the course will focus on issues affecting these populations.

MED 2070. Health Systems Science III. This course is designed to further explore the themes of the Primary Care-Population Medicine Program and prepare students for the next steps in their professional careers. The course is designed to be a capstone and employs integrated, developmental, evolutionary educational spirals - providing the knowledge, attitudes and skills at the right time in the right format, and building on the first three years of the program. Course threads include Health Systems Science Advanced Content, Skill Building, Preparation for Next Career Stages, and Master’s Thesis Workshopping.

MED 2110. Introduction to Medical Sciences and Patient Care. This 2-week intensive course introduces students to the wide variety of topics explored in the Master’s of Medical Sciences program, with a focus on patient care aspects. The course combines seminar classroom instruction with field work/immersion at community healthcare sites. Topics covered include: biopsychosocial model of healthcare; intersection between science, social science and humanities in healthcare; introduction to community health centers; professionalism in healthcare; basic healthcare communication skills; quality improvement skills; and strategies for mastery of basic science knowledge. Students will be assessed using multiple methods including: seminar participation, reflective essays/field notes, attendance at field-work sites, & assessment from community mentors.

MED 2120. Patient Care in Complex Systems I. This is the second of a three course series for Master of Medical Sciences students. This course introduces students to the variety of complex factors affecting health, imparting both theoretical knowledge and practical skills. Teaching methods: interactive seminars and experiential learning at community healthcare sites with members of multidisciplinary teams. Topics covered: healthcare systems, social determinants of health, roles of interdisciplinary healthcare team members, quality improvement, and epidemiology. Students will begin developing a project at their clinical sites which will be implemented in spring semester. Student assessment includes: seminar participation, reflective essays, attendance at field-work sites, and assessment from community mentors. Pre Requisites: MED 2110

MED 2130. Patient Care in Complex Systems II. This is the third of a 3 course sequence for Master of Medical Science students. Students will continue their study of both theoretical and practical aspects of healthcare through an interactive seminar series, continued service learning at their longitudinal community healthcare site, and completion of their community project. Seminar topics: care of vulnerable populations, environmental health, population health, new models of healthcare delivery, ethical issues in healthcare, whole-person health, cultural humility, complementary and alternative medicine, and patient advocacy. Students assessment includes: seminar participation, reflective essays, attendance at field work sites, assessment from community mentors, and quality of project and presentation. Pre Requisites: MED 2110 and MED 2120.

MED 2140. Human Histology. Human Histology provides an in-depth examination of the basic architecture of the body. Fundamental to this understanding is the cell and how during early development cells in the aggregate undergo specialization as tissues, which are the building blocks of the body. This course focuses first on the biology of the four basic tissues (epithelium, connective tissue, muscle and nerve) and second, how they contribute to the functional anatomy of all organs and systems. We will emphasize characteristic developmental, structure-function and regulatory relationships within normal cells and tissues, which in turn are the foundation for the understanding of pathological alteration.
**MED 2150. General Pathology.**
Pathology is the study of the causes, mechanisms, and consequences of disease. In General Pathology students study in detail the cell and tissue alterations that lead to the production of human diseases. To uncover such alterations, morphological observations are correlated with studies involving molecular biology, biochemistry, and genetics. In studying the pathogenesis of human disease we pay close attention to epidemiological parameters, population health, aging, and to environmental and occupational health problems. General Pathology been integrated, whenever possible, with other courses in the Fall Semester of the Gateways Program, in order to maximize learning opportunities.

**MED 2160. Human Anatomy 1.**
This course explores the anatomical organization of the human body, viewing anatomical structures as a product of development and functional demand. Human Anatomy provides an opportunity for students of diverse backgrounds, interests, and goals to emerge with an understanding of the human body as a cornerstone of medical science. The course uses a combination of lectures, on-line modules, and mandatory laboratory sessions examining human cadaver prosections, to impart broad conceptual and in-depth knowledge of this subject.

**MED 2170. Scientific Foundations of Medicine.**
Scientific Foundations of Medicine is an integrated cross-disciplinary course that introduces the fundamental basic science principles relevant to the study of health, disease mechanisms and clinical medicine. As such the course consists of six blocks of core topics that incorporate foundational principles of molecular biology, cellular and metabolic biochemistry, nutritional science, cell physiology, inheritance patterns, mechanisms of genetic disorders, and immunology. Grounding in these scientific principles gives students insight into the biological complexity and genetic diversity that underlies disease processes.

**MED 2180. Brain Sciences and Neurological Disease.**
Brain Sciences is composed of several interrelated components - Head Anatomy, Neurobiology, Neuropathophysiology, Neuropathology and Neuropharmacology. The intent of the course is to encourage the integration of underlying neuroanatomy and basic science principles with an understanding of the presentation and management of neurological diseases. Course leaders from each of these disciplines have worked closely together in order to present the material in a cohesive and logical framework that promotes the sequential acquisition of new information based upon a substantive understanding of the previous material.

**MED 2190. Microbiology and Infectious Disease.**
Microbiology and Infectious Disease is an integrated course that introduces the basic biological principles, pathogenesis and host response, disease presentation, epidemiology, control and treatment of parasites, viruses, fungi and bacteria that cause human disease. Emphasis is placed on the most clinically significant and best characterized pathogens in each group. The Microbiology component of the course explores the characteristics of disease-causing microorganisms, mechanisms of transmission, immunity, and how specific microbial pathogens cause disease. Microbial disease states in multiple organ systems are addressed in the Infectious Disease component of the course with a focus on common infectious diseases and their clinical presentation.

**MED 2980. Independent Study in Population Medicine.**
For students enrolled in the Primary Care-Population Medicine program at Alpert Medical School, this course is structured to allow students to conduct research focused on population health with a mentor at Brown University.

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**Program in Liberal Medical Education**

**PLME 0200. Primetime Bioethics.**
Is it ethical to design a perfect baby? Who should get these organs? Is it ever okay to be dishonest with patients for their own good? These questions and more will be tackled in this discussion-based course that uses episodes of popular medical television shows to highlight topics in medical ethics. Students will watch 1-2 episodes of TV shows and read related articles and chapters on biomedical ethics and ethics theory. The goal is to give students the background with which to approach the ethical topics. This course may be most beneficial to students pursuing a career in medicine.

**PLME 0550. Italian and American Health Care: a Cultural, Historical and Practical View.**
This program has been developed for Brown PLME students and first year Italian medical students to familiarize the future physicians with the much-debated theme of health care delivery and policies. Students will focus on medicine beyond science through the critical study of how socioeconomic and cultural factors impact this field. Students will compare the Italian and American systems, focusing on historical structures and current issues in health care regulation. Enrollment limited to 10.

**PLME 1000. PLME Senior Seminar in Scientific Medicine.**
This course is an interdisciplinary and integrative science course that will supplement the preparation of both PLME and pre-medical students for the study of medicine in the 21st century. The course will use a case-based approach to relevant and contemporary subjects in medicine and health care, such as: biological systems and their interactions; diagnosis and therapy optimization; and the humanistic aspects of patient care. The course is intended for seniors interested in attending medical school but will preferentially enroll PLME students. Prerequisite: PLME competency in Biology, Chemistry (inorganic and organic), Physics, and introductory calculus. Enrollment limited to 46. S/NG
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Helvetica was used instead of Arial.

The editor may contact Leepfrog for a draft with the correct fonts in place.