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/admission. The Office of Admissions may be contacted by email (MedSchool_Admmissions@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 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

For additional information regarding Alpert Medical School please visit the website at: 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 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.
Fall BIOL3015 S12 10003 Arranged "To Be Arranged"
Fall BIOL3015 S18 10004 Arranged "To Be Arranged"

BIOL 3020. Nephrology.
No description available.
Fall BIOL3020 S12 10005 Arranged "To Be Arranged"
Fall BIOL3020 S14 10006 Arranged "To Be Arranged"
Fall BIOL3020 S24 10007 Arranged "To Be Arranged"
Spr BIOL3020 S34 20002 Arranged "To Be Arranged"

BIOL 3025. Longitudinal in Renal Disease.
No description available.
Fall BIOL3025 S14 10008 Arranged "To Be Arranged"
Fall BIOL3025 S24 10009 Arranged "To Be Arranged"

BIOL 3035. Clinical Nephrology.
No description available.
Fall BIOL3035 S14 10010 Arranged "To Be Arranged"

BIOL 3040. Clinical Dermatology.
No description available.
Fall BIOL3040 S12 10011 Arranged "To Be Arranged"
Fall BIOL3040 S14 10012 Arranged "To Be Arranged"
Fall BIOL3040 S21 10013 Arranged "To Be Arranged"
Fall BIOL3040 S22 10014 Arranged "To Be Arranged"
Fall BIOL3040 S24 10015 Arranged "To Be Arranged"
Spr BIOL3040 S32 20003 Arranged "To Be Arranged"
Spr BIOL3040 S34 20004 Arranged "To Be Arranged"

BIOL 3050. Gastroenterology.
No description available.
Fall BIOL3050 S12 10016 Arranged "To Be Arranged"
Fall BIOL3050 S14 10017 Arranged "To Be Arranged"
Fall BIOL3050 S22 10018 Arranged "To Be Arranged"
Fall BIOL3050 S23 10019 Arranged "To Be Arranged"
Fall BIOL3050 S24 10020 Arranged "To Be Arranged"
Spr BIOL3050 S32 20005 Arranged "To Be Arranged"
Spr BIOL3050 S34 20006 Arranged "To Be Arranged"

BIOL 3060. Gastroenterology.
No description available.
Fall BIOL3060 S12 10021 Arranged "To Be Arranged"
Fall BIOL3060 S14 10022 Arranged "To Be Arranged"
Fall BIOL3060 S22 10023 Arranged "To Be Arranged"
Fall BIOL3060 S24 10024 Arranged "To Be Arranged"
Spr BIOL3060 S32 20007 Arranged "To Be Arranged"

BIOL 3070. Infectious Disease.
No description available.
Fall BIOL3070 S14 10025 Arranged "To Be Arranged"
Fall BIOL3070 S22 10026 Arranged "To Be Arranged"
Fall BIOL3070 S24 10027 Arranged "To Be Arranged"
Spr BIOL3070 S34 20008 Arranged "To Be Arranged"

BIOL 3075. Infectious Disease.
No description available.
Fall BIOL3075 S14 10028 Arranged "To Be Arranged"
Fall BIOL3075 S23 10029 Arranged "To Be Arranged"
atopic eczema and insect-sting allergy. Molecular, cellular, and genetic immunodeficiencies, food allergy, allergic reactions to medications, diseases: asthma, rhinitis, sinusitis, urticaria, anaphylaxis, primary immunological diseases. Particularly addresses the following.

The pathophysiology, diagnosis, and treatment of allergic and immunological diseases. Particularly addresses the following.

BIOL 310. Cardiology.
No description available.
Fall BIOL310 S14 10034 Arranged  "To Be Arranged"
Fall BIOL310 S24 10035 Arranged  "To Be Arranged"
Spr BIOL310 S34 20011 Arranged  "To Be Arranged"

BIOL 3110. Clinical Adult Cardiology.
No description available.
Fall BIOL3110 S13 10036 Arranged  "To Be Arranged"
Fall BIOL3110 S14 10037 Arranged  "To Be Arranged"
Fall BIOL3110 S24 10038 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 10039 Arranged  "To Be Arranged"
Fall BIOL3120 S14 10040 Arranged  "To Be Arranged"
Fall BIOL3120 S24 10041 Arranged  "To Be Arranged"
Fall BIOL3120 S24 10042 Arranged  "To Be Arranged"
Spr BIOL3120 S32 20014 Arranged  "To Be Arranged"
Spr BIOL3120 S34 20015 Arranged  "To Be Arranged"

BIOL 3140. Cardiology.
No description available.
Fall BIOL3140 S14 10043 Arranged  "To Be Arranged"
Fall BIOL3140 S24 10044 Arranged  "To Be Arranged"
Fall BIOL3140 S24 10045 Arranged  "To Be Arranged"

BIOL 3165. Med/Peds Infectious Diseases.
No description available.
Fall BIOL3165 S14 10046 Arranged  "To Be Arranged"
Fall BIOL3165 S24 10047 Arranged  "To Be Arranged"
Spr BIOL3165 S32 20016 Arranged  "To Be Arranged"

BIOL 3170. Urgent Care.
No description available.
Fall BIOL3170 S12 10048 Arranged  "To Be Arranged"
Fall BIOL3170 S21 10049 Arranged  "To Be Arranged"
Fall BIOL3170 S22 10050 Arranged  "To Be Arranged"
Fall BIOL3170 S24 10051 Arranged  "To Be Arranged"
Spr BIOL3170 S32 20017 Arranged  "To Be Arranged"

BIOL 3180. Hospice and Palliative Medicine.
No description available.
Fall BIOL3180 S12 10052 Arranged  "To Be Arranged"
Fall BIOL3180 S14 10053 Arranged  "To Be Arranged"
Fall BIOL3180 S22 10054 Arranged  "To Be Arranged"
Fall BIOL3180 S24 10055 Arranged  "To Be Arranged"
Spr BIOL3180 S34 20018 Arranged  "To Be Arranged"

BIOL 3200. Tropical Medicine in East Africa.
No description available.
Fall BIOL3200 S14 10056 Arranged  "To Be Arranged"
Fall BIOL3200 S15 10057 Arranged  "To Be Arranged"
Fall BIOL3200 S18 10058 Arranged  "To Be Arranged"
Fall BIOL3200 S24 10059 Arranged  "To Be Arranged"
Fall BIOL3200 S25 10060 Arranged  "To Be Arranged"
Fall BIOL3200 S28 10061 Arranged  "To Be Arranged"

BIOL 3205. International Critical Care at Tuebingen.

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

BIOL 3215. Internal Medicine Night Float.

BIOL 3220. Endocrinology.
No description available.
Fall BIOL3220 S14 10062 Arranged  "To Be Arranged"
Fall BIOL3220 S22 10063 Arranged  "To Be Arranged"
Fall BIOL3220 S24 10064 Arranged  "To Be Arranged"

BIOL 3230. Hematology Oncology.
No description available.
Fall BIOL3230 S12 10065 Arranged  "To Be Arranged"
Fall BIOL3230 S14 10066 Arranged  "To Be Arranged"
Fall BIOL3230 S24 10067 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 10068 Arranged  "To Be Arranged"
Fall BIOL3240 S24 10069 Arranged  "To Be Arranged"

BIOL 3260. Hematology Oncology.
No description available.
Fall BIOL3260 S24 10070 Arranged  "To Be Arranged"

BIOL 3270. Hematology.
No description available.
Fall BIOL3270 S14 10071 Arranged  "To Be Arranged"
Fall BIOL3270 S24 10072 Arranged  "To Be Arranged"

BIOL 3280. Allergy.
No description available.
Fall BIOL3280 S12 10073 Arranged  "To Be Arranged"
Fall BIOL3280 S22 10074 Arranged  "To Be Arranged"
Fall BIOL3280 S24 10075 Arranged  "To Be Arranged"
Spr BIOL3280 S34 20021 Arranged  "To Be Arranged"

BIOL 3290. Pulmonary Diseases.
No description available.
Fall BIOL3290 S12 10076 Arranged  "To Be Arranged"
Fall BIOL3290 S14 10077 Arranged  "To Be Arranged"
Fall BIOL3290 S24 10078 Arranged  "To Be Arranged"
Spr BIOL3290 S34 20022 Arranged  "To Be Arranged"

BIOL 3300. Pulmonary Diseases.
No description available.
Fall BIOL3300 S14 10079 Arranged  "To Be Arranged"
Fall BIOL3300 S24 10080 Arranged  "To Be Arranged"
Spr BIOL3300 S34 20023 Arranged  "To Be Arranged"

BIOL 3310. Pulmonary Diseases.
No description available.
Fall BIOL3310 S14 10081 Arranged  "To Be Arranged"
Fall BIOL3310 S24 10082 Arranged  "To Be Arranged"
Spr BIOL3310 S34 20024 Arranged  "To Be Arranged"

No description available.
BIOL 330. Subinternship in Medicine.  
No description available.  
Fall BIOL3330 S10 10083 Arranged  'To Be Arranged'  
Fall BIOL3330 S14 10084 Arranged  'To Be Arranged'  
Fall BIOL3330 S24 10085 Arranged  'To Be Arranged'  
Spr BIOL3330 S34 20025 Arranged  'To Be Arranged'  

BIOL 331. Subinternship in Medicine - MH.  
Fall BIOL3331 S14 10086 Arranged  'To Be Arranged'  
Fall BIOL3331 S24 10087 Arranged  'To Be Arranged'  

BIOL 332. Subinternship in Medicine - MHRI.  
Fall BIOL3332 S14 10088 Arranged  'To Be Arranged'  
Fall BIOL3332 S24 10089 Arranged  'To Be Arranged'  

BIOL 333. Subinternship in Medicine - RH.  
Fall BIOL3333 S14 10090 Arranged  'To Be Arranged'  
Fall BIOL3333 S24 10091 Arranged  'To Be Arranged'  

BIOL 334. Subinternship in Medicine - VAMC.  
Fall BIOL3334 S14 10092 Arranged  'To Be Arranged'  
Fall BIOL3334 S24 10093 Arranged  'To Be Arranged'  

BIOL 335. Subinternship in Critical Care Medicine.  
No description available.  
Fall BIOL3350 S14 10094 Arranged  'To Be Arranged'  
Fall BIOL3350 S24 10095 Arranged  'To Be Arranged'  
Spr BIOL3350 S34 20026 Arranged  'To Be Arranged'  

BIOL 337. Subinternship in Intensive Care Medicine (ICU).  
No description available.  
Fall BIOL3370 S13 10098 Arranged  'To Be Arranged'  
Fall BIOL3370 S14 10099 Arranged  'To Be Arranged'  
Fall BIOL3370 S24 10100 Arranged  'To Be Arranged'  
Spr BIOL3370 S34 20028 Arranged  'To Be Arranged'  

BIOL 339. Psychiatry in Medical Practice.  
No description available.  
Fall BIOL3390 S12 10101 Arranged  'To Be Arranged'  
Fall BIOL3390 S14 10102 Arranged  'To Be Arranged'  
Fall BIOL3390 S15 10103 Arranged  'To Be Arranged'  
Fall BIOL3390 S22 10104 Arranged  'To Be Arranged'  
Fall BIOL3390 S23 10105 Arranged  'To Be Arranged'  
Fall BIOL3390 S24 10106 Arranged  'To Be Arranged'  

BIOL 340. Medical Consultation - OB/Gyn.  
No description available.  
Fall BIOL3400 S14 10107 Arranged  'To Be Arranged'  
Fall BIOL3400 S24 10108 Arranged  'To Be Arranged'  
Spr BIOL3400 S34 20029 Arranged  'To Be Arranged'  

BIOL 345. Medical Consult in OB/Gyn and Periop Med.  
No description available.  
Fall BIOL3450 S12 10109 Arranged  'To Be Arranged'  
Fall BIOL3450 S14 10110 Arranged  'To Be Arranged'  
Fall BIOL3450 S22 10111 Arranged  'To Be Arranged'  
Fall BIOL3450 S23 10112 Arranged  'To Be Arranged'  
Fall BIOL3450 S24 10113 Arranged  'To Be Arranged'  
Spr BIOL3450 S34 20030 Arranged  'To Be Arranged'  

BIOL 341. Internal Medicine in the Dominican Republic.  
No description available.  
Fall BIOL3410 S24 10114 Arranged  'To Be Arranged'  

BIOL 3415. Clinical Medicine in Nicaragua.  
Fall BIOL3415 S14 10115 Arranged  'To Be Arranged'  

BIOL 3460. College Health Longitudinal.  
No description available.  

BIOL 3470. Issues Concerning Deaf Patients in Healthcare.  
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 10116 Arranged  'To Be Arranged'  
Fall BIOL3490 S22 10117 Arranged  'To Be Arranged'  
Fall BIOL3490 S23 10118 Arranged  'To Be Arranged'  
Fall BIOL3490 S24 10119 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 10120 Arranged  'To Be Arranged'  
Spr BIOL3500 S34 20032 Arranged  'To Be Arranged'  

BIOL 3505. Medical and Interventional Pain Management.  
Fall BIOL3505 S14 10121 Arranged  'To Be Arranged'  
Fall BIOL3505 S24 10122 Arranged  'To Be Arranged'  

BIOL 3510. Clinical Reasoning and Human Errors in Medicine.  
No description available.  
Fall BIOL3510 S14 10123 Arranged  'To Be Arranged'  
Fall BIOL3510 S24 10124 Arranged  'To Be Arranged'  

BIOL 3511. Advanced Clinical Mentorship in Renal.  

BIOL 3552. Advanced Clinical Mentorship in Dermatology.  
Fall BIOL3552 S11 10125 Arranged  'To Be Arranged'  

BIOL 3553. Advanced Clinical Mentorship in Cardiology.  
Fall BIOL3553 S12 10126 Arranged  'To Be Arranged'  

BIOL 3554. Advanced Clinical Mentorship in Endocrinology.  

BIOL 3555. Advanced Clinical Mentorship in Med/Peds Primary Care.  
Fall BIOL3555 S11 10127 Arranged  'To Be Arranged'  

BIOL 3556. Advanced Clinical Mentorship in Infectious Disease.  

BIOL 3557. Advanced Clinical Mentorship in Comprehensive HIV Care.  
Fall BIOL3557 S22 10128 Arranged  'To Be Arranged'  

BIOL 3558. Advanced Clinical Mentorship in Adult Oncology.  

BIOL 3559. Advanced Clinical Mentorship in Hematology/Oncology.  
Fall BIOL3559 S12 10129 Arranged  'To Be Arranged'  
Fall BIOL3559 S21 10130 Arranged  'To Be Arranged'  
Spr BIOL3559 S42 20033 Arranged  'To Be Arranged'  

BIOL 3560. Advanced Clinical Mentorship in Pulmonary Disease.  

BIOL 3561. Advanced Clinical Mentorship in Rheumatology.  

BIOL 3562. Advanced Clinical Mentorship in Internal Medicine.  
Fall BIOL3562 S11 10131 Arranged  'To Be Arranged'  
Fall BIOL3562 S12 10132 Arranged  'To Be Arranged'  
Fall BIOL3562 S21 10133 Arranged  'To Be Arranged'  
Fall BIOL3562 S22 10134 Arranged  'To Be Arranged'  

BIOL 3563. Advanced Clinical Mentorship in Gastroenterology.  

BIOL 3564. Advanced Clinical Mentorship in Functional Neurosurgery.  
Fall BIOL3564 S11 10135 Arranged  'To Be Arranged'  
Fall BIOL3564 S12 10136 Arranged  'To Be Arranged'  
Fall BIOL3564 S21 10137 Arranged  'To Be Arranged'  

Fall BIOL3565 S22 10138 Arranged "To Be Arranged"

BIOL 3566. Advanced Clinical Mentorship in Orthopedic Surgery.
Fall BIOL3566 S11 10139 Arranged "To Be Arranged"

BIOL 3567. Advanced Clinical Mentorship in Anesthesiology.
Fall BIOL3567 S11 10140 Arranged "To Be Arranged"
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Fall BIOL3568 S12 10142 Arranged "To Be Arranged"
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Fall BIOL3569 S22 10148 Arranged "To Be Arranged"

BIOL 3570. Advanced Clinical Mentorship in Pediatric Surgery.

BIOL 3571. Advanced Clinical Mentorship in Urology.
Fall BIOL3572 S12 10149 Arranged "To Be Arranged"

BIOL 3573. Advanced Clinical Mentorship in ENT.


BIOL 3575. Advanced Clinical Mentorship in Pediatric Neurology.

Fall BIOL3576 S11 10150 Arranged "To Be Arranged"
Fall BIOL3576 S12 10151 Arranged "To Be Arranged"
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BIOL 3577. Advanced Clinical Mentorship in OB/Gyn.
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Fall BIOL3577 S12 10155 Arranged "To Be Arranged"
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BIOL 3578. Advanced Clinical Mentorship in Outpatient Psychiatry.

Fall BIOL3579 S12 10158 Arranged "To Be Arranged"
Fall BIOL3579 S21 10159 Arranged "To Be Arranged"

BIOL 3580. Advanced Clinical Mentorship in Clinical Rehabilitation Medicine.

Fall BIOL3581 S11 10160 Arranged "To Be Arranged"
Fall BIOL3581 S12 10161 Arranged "To Be Arranged"
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BIOL 3583. Advanced Clinical Mentorship in Family Medicine.
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Fall BIOL3584 S12 10168 Arranged "To Be Arranged"
Fall BIOL3584 S21 10169 Arranged "To Be Arranged"

BIOL 3585. Advanced Clinical Mentorship in Radiation Oncology.

BIOL 3586. Advanced Clinical Mentorship Independent Study.

BIOL 3587. Advanced Clinical Mentorship in Primary Care/Behavioral Medicine.

Fall BIOL3588 S12 10170 Arranged "To Be Arranged"

BIOL 3640. Doctoring 1.
Fall BIOL3640 S01 10171 Arranged (S. Warrier)

BIOL 3641. Integrated Medical Sciences I.
Fall BIOL3641 S01 10172 Arranged (L. Dumenco)

BIOL 3642. IMS 1 - Scientific Foundations of Medicine.
Fall BIOL3642 S01 10173 Arranged (P. Gruppuso)

BIOL 3643. IMS-1 Histology.
Fall BIOL3643 S01 10174 Arranged "To Be Arranged"

BIOL 3644. IMS-1 General Pathology.
Fall BIOL3644 S01 10175 Arranged (D. Ritter)

BIOL 3645. IMS-1 Human Anatomy I.
Fall BIOL3645 S01 10176 Arranged (L. Dumenco)

BIOL 3650. Doctoring 2.
Spr BIOL3650 S01 20034 Arranged (S. Warrier)

BIOL 3651. Integrated Medical Sciences II - Comprehensive.
Spr BIOL3651 S01 20035 Arranged "To Be Arranged"

BIOL 3652. IMS-2 Brain Sciences.
Spr BIOL3652 S01 20036 Arranged "To Be Arranged"

BIOL 3653. IMS-2 Microbiology/Infectious Diseases.
Spr BIOL3653 S01 20037 Arranged "To Be Arranged"

BIOL 3654. IMS-2 Endocrine Sciences.
Fall BIOL3654 S01 10177 Arranged "To Be Arranged"
Spr BIOL3654 S01 20038 Arranged "To Be Arranged"

BIOL 3655. Human Anatomy II.
Spr BIOL3655 S01 20039 Arranged "To Be Arranged"

BIOL 3656. Health Systems and Policy I.
Fall BIOL3656 S01 10178 Arranged "To Be Arranged"

BIOL 3657. Health Systems and Policy II.

BIOL 3660. Doctoring 3.
Fall BIOL3660 S01 10179 Arranged (S. Rougas)

BIOL 3661. Integrated Medical Sciences III - Comprehensive.
Fall BIOL3661 S01 10180 Arranged "To Be Arranged"

BIOL 3662. IMS-3 Cardiovascular.
Fall BIOL3662 S01 10181 Arranged (D. Burtt)

BIOL 3663. IMS-3 Pulmonary.
Fall BIOL3663 S01 10182 Arranged (M. Jankowich)

BIOL 3664. IMS-3 Renal.
Fall BIOL3664 S01 10183 Arranged (S. Hu)

BIOL 3665. IMS-II Supporting Structures.
Fall BIOL3665 S01 10184 Arranged "To Be Arranged"

BIOL 3666. Integrated Medical Sciences III - Systemic Pathology.
Fall BIOL3666 S01 10185 Arranged (C. Oyer)

BIOL 3667. Integrated Medical Sciences III - System-Based Pharmacology.
Fall BIOL3667 S01 10186 Arranged (R. Patrick)

BIOL 3670. Doctoring 4.
Spr BIOL3670 S01 20040 Arranged (S. Rougas)

BIOL 3671. Integrated Medical Sciences IV - Comprehensive.
Spr BIOL3671 S01 20041 Arranged "To Be Arranged"

BIOL 3672. IMS-4 Hematology.
Spr BIOL3672 S01 20042 Arranged "To Be Arranged"
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| BIOL 3674. IMS-3 Human Reproduction. | Fall BIOL3674 S01 10187 Arranged 'To Be Arranged' (C. Oyer) |
| BIOL 3675. Integrated Medical Sciences IV - Systemic Pathology. | Spring BIOL3675 S01 20044 Arranged 'To Be Arranged' |
| BIOL 3676. Integrated Medical Sciences IV - System-Based Pharmacology. | Spring BIOL3676 S01 20045 Arranged 'To Be Arranged' |
| BIOL 3691. System-Based Pharmacology. | Spring BIOL3691 S01 20046 Arranged 'To Be Arranged' |
| BIOL 3780. Comprehensive Elective in Neurology. | Spring BIOL3780 S14 10196 Arranged 'To Be Arranged' |
| BIOL 3790. Aging and Dementia. | No description available. |
| BIOL 3795. Elective Clerkship in Neurology. | Fall BIOL3795 S14 10199 Arranged 'To Be Arranged' |
| BIOL 3815. Subinternship in Neurosurgery. | Fall BIOL3815 S14 10206 Arranged 'To Be Arranged' |
| BIOL 3890. Culture, Patient, Advocacy and the Community. | Fall BIOL3890 S14 10234 Arranged 'To Be Arranged' |
| BIOL 3910. Introduction to Surgical Oncology. | No description available. |
| BIOL 3970. Orthopedic Surgery in the Community. | No description available. |
| BIOL 3975. Primary Care Orthopedics. | Fall BIOL3975 S12 10233 Arranged 'To Be Arranged' |
| BIOL 4000. Outpatient Orthopedics. | No description available. |</p>
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<td>Clerkship in Psychiatry</td>
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<tr>
<td>BIOL 5325</td>
<td>Clerkship in Neurology</td>
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<tr>
<td>BIOL 5400</td>
<td>Core Clerkship in Community Health</td>
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<tr>
<td>BIOL 5460</td>
<td>Physical Medicine and Rehabilitation</td>
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</table>
BIOL 5480. Rural Community Medicine.
No description available.
Fall BIOL5480 S12 10426 Arranged "To Be Arranged"
Fall BIOL5480 S14 10427 Arranged "To Be Arranged"
Fall BIOL5480 S22 10428 Arranged "To Be Arranged"
Fall BIOL5480 S24 10429 Arranged "To Be Arranged"

BIOL 5490. Geriatrics and Rehabilitation.
No description available.
Fall BIOL5490 S12 10430 Arranged "To Be Arranged"
Fall BIOL5490 S14 10431 Arranged "To Be Arranged"
Fall BIOL5490 S24 10432 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 prospectives 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.
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 10433 Arranged "To Be Arranged"
Fall BIOL5600 S23 10434 Arranged "To Be Arranged"

No description available.
Fall BIOL5620 S14 10435 Arranged "To Be Arranged"
Fall BIOL5620 S24 10436 Arranged "To Be Arranged"
Spr BIOL5620 S34 20095 Arranged "To Be Arranged"

BIOL 5630. Emergency Medicine.
No description available.
Fall BIOL5630 S12 10437 Arranged "To Be Arranged"
Fall BIOL5630 S14 10438 Arranged "To Be Arranged"
Fall BIOL5630 S22 10439 Arranged "To Be Arranged"
Fall BIOL5630 S24 10440 Arranged "To Be Arranged"
Spr BIOL5630 S32 20096 Arranged "To Be Arranged"
Spr BIOL5630 S34 20097 Arranged "To Be Arranged"

No description available.
Fall BIOL5650 S14 10441 Arranged "To Be Arranged"
Fall BIOL5650 S22 10442 Arranged "To Be Arranged"
Fall BIOL5650 S23 10443 Arranged "To Be Arranged"
Fall BIOL5650 S24 10444 Arranged "To Be Arranged"
Spr BIOL5650 S34 20098 Arranged "To Be Arranged"

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

BIOL 5690. Spirituality and Medicine.
No description available.

BIOL 5700. Bridging the Bench and Bedside.

BIOL 5730. Introduction to Medical Portuguese.

BIOL 5800. Core Clerkship in Family Medicine.
Six weeks,
Fall BIOL5800 S01 10445 Arranged "To Be Arranged"
Fall BIOL5800 S02 10446 Arranged "To Be Arranged"
Spr BIOL5800 S03 20099 Arranged "To Be Arranged"

BIOL 5805. Individualized Clerkship in Family Medicine.

No description available.
Fall BIOL5810 S13 10447 Arranged "To Be Arranged"
Fall BIOL5810 S14 10448 Arranged "To Be Arranged"
Fall BIOL5810 S24 10449 Arranged "To Be Arranged"
Spr BIOL5810 S34 20100 Arranged "To Be Arranged"

BIOL 5815. Subinternship in Maternal and Child Health.
Fall BIOL5815 S14 10450 Arranged "To Be Arranged"
Fall BIOL5815 S24 10451 Arranged "To Be Arranged"

BIOL 5820. Elective in Family Medicine.
No description available.
Fall BIOL5820 S12 10452 Arranged "To Be Arranged"
Fall BIOL5820 S22 10453 Arranged "To Be Arranged"
Fall BIOL5820 S24 10454 Arranged "To Be Arranged"
Spr BIOL5820 S32 20101 Arranged "To Be Arranged"

BIOL 5850. Primary Care Sports Medicine.
Fall BIOL5850 S12 10455 Arranged "To Be Arranged"
Fall BIOL5850 S14 10456 Arranged "To Be Arranged"
Fall BIOL5850 S22 10457 Arranged "To Be Arranged"
Fall BIOL5850 S24 10458 Arranged "To Be Arranged"
Spr BIOL5850 S34 20102 Arranged "To Be Arranged"

BIOL 5860. Preventive Cardiology Nutrition.
No description available.

BIOL 5870. Subinternship in Family Medicine.
No description available.
Fall BIOL5870 S14 10460 Arranged "To Be Arranged"
Fall BIOL5870 S24 10461 Arranged "To Be Arranged"

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

BIOL 5885. Clinical Skills Clerkship.
Fall BIOL5885 S01 10462 Arranged "To Be Arranged"

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

BIOL 5920. Public Health and Primary Care in Rural Honduras.

BIOL 5990. Internship Preparation Elective.

BIOL 6010. Human Morphology II.
No description available.
Spr BIOL6010 S34 20104 Arranged "To Be Arranged"

BIOL 6110. Applied Pathology.
No description available.
Fall BIOL6110 S12 10463 Arranged (S. Mangray)
Fall BIOL6110 S13 10464 Arranged "To Be Arranged"
Fall BIOL6110 S14 10465 Arranged "To Be Arranged"
Fall BIOL6110 S22 10466 Arranged "To Be Arranged"
Fall BIOL6110 S24 10467 Arranged "To Be Arranged"
Spr BIOL6110 S32 20105 Arranged "To Be Arranged"
Spr BIOL6110 S34 20106 Arranged "To Be Arranged"

BIOL 6120. Research in Perinatal/Pediatric Pathology.
No description available.
Spr BIOL6120 S34 20107 Arranged "To Be Arranged"
BIOL 6140. Seminar in Clinical Pathological, Developmental and Pediatric Pathology.
No description available.
Fall BIOL6140 S11 10468 Arranged "To Be Arranged"
Fall BIOL6140 S12 10469 Arranged "To Be Arranged"
Fall BIOL6140 S14 10470 Arranged "To Be Arranged"
Fall BIOL6140 S22 10471 Arranged "To Be Arranged"
Fall BIOL6140 S24 10472 Arranged "To Be Arranged"
Spr BIOL6140 S32 20108 Arranged "To Be Arranged"
Spr BIOL6140 S34 20109 Arranged "To Be Arranged"

BIOL 6260. Radiation Oncology in a Private Practice Setting.
No description available.
Fall BIOL6260 S22 10473 Arranged "To Be Arranged"
Spr BIOL6260 S32 20110 Arranged "To Be Arranged"

BIOL 6280. Diagnostic Radiology and Nuclear Medicine.
No description available.
Fall BIOL6280 S12 10474 Arranged "To Be Arranged"
Fall BIOL6280 S22 10475 Arranged "To Be Arranged"
Spr BIOL6280 S32 20111 Arranged "To Be Arranged"
Spr BIOL6280 S34 20112 Arranged "To Be Arranged"

BIOL 6290. Diagnostic Radiology.
No description available.
Fall BIOL6290 S12 10476 Arranged "To Be Arranged"
Fall BIOL6290 S13 10477 Arranged "To Be Arranged"
Fall BIOL6290 S14 10478 Arranged "To Be Arranged"
Fall BIOL6290 S22 10479 Arranged "To Be Arranged"
Fall BIOL6290 S23 10480 Arranged "To Be Arranged"
Fall BIOL6290 S24 10481 Arranged "To Be Arranged"
Spr BIOL6290 S32 20113 Arranged "To Be Arranged"
Spr BIOL6290 S34 20114 Arranged "To Be Arranged"

BIOL 6300. Nuclear Medicine Preceptorship.
No description available.
Fall BIOL6300 S21 10482 Arranged "To Be Arranged"
Fall BIOL6300 S22 10483 Arranged "To Be Arranged"
Fall BIOL6300 S24 10484 Arranged "To Be Arranged"

BIOL 6320. Vascular and Interventional Radiology.
No description available.
Fall BIOL6320 S12 10485 Arranged "To Be Arranged"
Fall BIOL6320 S13 10486 Arranged "To Be Arranged"
Fall BIOL6320 S22 10487 Arranged "To Be Arranged"
Fall BIOL6320 S24 10488 Arranged "To Be Arranged"

No description available.
Fall BIOL6330 S12 10489 Arranged "To Be Arranged"
Fall BIOL6330 S14 10490 Arranged "To Be Arranged"
Fall BIOL6330 S22 10491 Arranged "To Be Arranged"
Fall BIOL6330 S24 10492 Arranged "To Be Arranged"
Spr BIOL6330 S34 20115 Arranged "To Be Arranged"

BIOL 6360. Neuroradiology.
No description available.
Fall BIOL6360 S12 10493 Arranged "To Be Arranged"
Fall BIOL6360 S14 10494 Arranged "To Be Arranged"
Fall BIOL6360 S22 10495 Arranged "To Be Arranged"
Fall BIOL6360 S24 10496 Arranged "To Be Arranged"
Spr BIOL6360 S32 20116 Arranged "To Be Arranged"

BIOL 6380. Pediatric Radiology.
No description available.
Fall BIOL6380 S12 10497 Arranged "To Be Arranged"
Fall BIOL6380 S13 10498 Arranged "To Be Arranged"
Fall BIOL6380 S14 10499 Arranged "To Be Arranged"
Fall BIOL6380 S22 10500 Arranged "To Be Arranged"
Fall BIOL6380 S24 10501 Arranged "To Be Arranged"

BIOL 6390. Intro to Women’s Diagnostic Imaging.
No description available.
Fall BIOL6390 S12 10502 Arranged "To Be Arranged"
Fall BIOL6390 S22 10503 Arranged "To Be Arranged"
Spr BIOL6390 S32 20117 Arranged "To Be Arranged"

BIOL 6400. Radiation Oncology.
No description available.
Fall BIOL6400 S12 10504 Arranged "To Be Arranged"
Fall BIOL6400 S14 10505 Arranged "To Be Arranged"
Fall BIOL6400 S22 10506 Arranged "To Be Arranged"
Fall BIOL6400 S24 10507 Arranged "To Be Arranged"
Spr BIOL6400 S32 20118 Arranged "To Be Arranged"
Spr BIOL6400 S34 20119 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 Surgery.
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.  
BIOL 6516. Race, Health Disparities, and Biomedical Interpretations.  
BIOL 6517. Diseases, Doctors and Divas.  
BIOL 6518. Design and Health.  
BIOL 6519. Leadership in the Health Professions.  
BIOL 6520. Artists and Scientists as Partners.  
BIOL 6521. Advanced Spanish.  
BIOL 6522. The Healer's Art.  
BIOL 6524. Introduction to Sports Medicine.  
BIOL 6526. Neuroimaging of Mindfulness + Contemplative Practice.  
BIOL 6527. Physician as Medical Illustrator.  
BIOL 6528. Art and Healing.  
BIOL 6529. Addiction Medicine.  
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.

BIOL 6655. Health Care of Underserved.  
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.  
BIOL 6662. Environmental Health.  
BIOL 6663. Qualified Professional Test Counselor Certification Course.

BIOL 6665. Classroom Connection: Understanding Allergy and Immunology.  
BIOL 6666. Food and Health.  
BIOL 6667. Quantitative Statistics.  
BIOL 6668. Intro to Patient Safety + Quality Improvement.  
BIOL 6669. The Virtuous Physician.  
BIOL 6670. Narrative Medicine.  
BIOL 6800. Elective in Biotechnology.  
No description available.

BIOL 7000. Away Elective 1.  
No description available.

Fall BIOL7000 S11 10508 Arranged 'To Be Arranged'
Fall BIOL7000 S12 10509 Arranged 'To Be Arranged'
Fall BIOL7000 S13 10510 Arranged 'To Be Arranged'
Fall BIOL7000 S14 10511 Arranged 'To Be Arranged'
Fall BIOL7000 S15 10512 Arranged 'To Be Arranged'
Fall BIOL7000 S22 10513 Arranged 'To Be Arranged'
Fall BIOL7000 S23 10514 Arranged 'To Be Arranged'
Fall BIOL7000 S24 10515 Arranged 'To Be Arranged'
Fall BIOL7000 S25 10516 Arranged 'To Be Arranged'
Fall BIOL7000 S28 10517 Arranged 'To Be Arranged'
Spr BIOL7000 S32 20120 Arranged 'To Be Arranged'
Spr BIOL7000 S33 20121 Arranged 'To Be Arranged'
Spr BIOL7000 S34 20122 Arranged 'To Be Arranged'
Spr BIOL7000 S38 20123 Arranged 'To Be Arranged'

BIOL 7010. Away Elective 2.  
No description available.

Fall BIOL7010 S11 10518 Arranged 'To Be Arranged'
Fall BIOL7010 S12 10519 Arranged 'To Be Arranged'
Fall BIOL7010 S13 10520 Arranged 'To Be Arranged'
Fall BIOL7010 S14 10521 Arranged 'To Be Arranged'
Fall BIOL7010 S21 10522 Arranged 'To Be Arranged'
Fall BIOL7010 S22 10523 Arranged 'To Be Arranged'
Fall BIOL7010 S23 10524 Arranged 'To Be Arranged'
Fall BIOL7010 S24 10525 Arranged 'To Be Arranged'
Fall BIOL7010 S25 10526 Arranged 'To Be Arranged'
Spr BIOL7010 S32 20124 Arranged 'To Be Arranged'
Spr BIOL7010 S34 20125 Arranged 'To Be Arranged'

BIOL 7020. Away Elective 3.  
No description available.

Fall BIOL7020 S14 10528 Arranged 'To Be Arranged'
Fall BIOL7020 S22 10529 Arranged 'To Be Arranged'
Fall BIOL7020 S23 10530 Arranged 'To Be Arranged'
Fall BIOL7020 S24 10531 Arranged 'To Be Arranged'
Spr BIOL7020 S31 20126 Arranged 'To Be Arranged'
Spr BIOL7020 S34 20127 Arranged 'To Be Arranged'

BIOL 7030. Away Elective 4.  
No description available.

Fall BIOL7030 S24 10532 Arranged 'To Be Arranged'

BIOL 7040. Away Elective 5.  
No description available.

BIOL 7050. Away Elective.  
No description available.
BIOL 7100. Independent Study 1.
No description available.
Fall BIOL7100 S11 10533 Arranged 'To Be Arranged'
Fall BIOL7100 S12 10534 Arranged 'To Be Arranged'
Fall BIOL7100 S13 10535 Arranged 'To Be Arranged'
Fall BIOL7100 S14 10536 Arranged 'To Be Arranged'
Fall BIOL7100 S15 10537 Arranged 'To Be Arranged'
Fall BIOL7100 S16 10538 Arranged 'To Be Arranged'
Fall BIOL7100 S17 10539 Arranged 'To Be Arranged'
Fall BIOL7100 S18 10540 Arranged 'To Be Arranged'
Fall BIOL7100 S20 10541 Arranged 'To Be Arranged'
Fall BIOL7100 S21 10542 Arranged 'To Be Arranged'
Fall BIOL7100 S22 10543 Arranged 'To Be Arranged'
Fall BIOL7100 S23 10544 Arranged 'To Be Arranged'
Fall BIOL7100 S24 10545 Arranged 'To Be Arranged'
Fall BIOL7100 S25 10546 Arranged 'To Be Arranged'
Fall BIOL7100 S26 10547 Arranged 'To Be Arranged'
Fall BIOL7100 S27 10548 Arranged 'To Be Arranged'
Fall BIOL7100 S28 10549 Arranged 'To Be Arranged'
Fall BIOL7100 S2A 10550 Arranged 'To Be Arranged'
Fall BIOL7100 S2B 10551 Arranged 'To Be Arranged'
Fall BIOL7100 S2C 10552 Arranged 'To Be Arranged'
Fall BIOL7100 S2D 10553 Arranged 'To Be Arranged'
Spr BIOL7100 S31 20128 Arranged 'To Be Arranged'
Spr BIOL7100 S32 20129 Arranged 'To Be Arranged'
Spr BIOL7100 S33 20130 Arranged 'To Be Arranged'
Spr BIOL7100 S34 20131 Arranged 'To Be Arranged'
Spr BIOL7100 S35 20132 Arranged 'To Be Arranged'
Spr BIOL7100 S36 20133 Arranged 'To Be Arranged'
Spr BIOL7100 S38 20134 Arranged 'To Be Arranged'
Spr BIOL7100 S3A 20135 Arranged 'To Be Arranged'

BIOL 7110. Independent Study 2.
No description available.
Fall BIOL7110 S11 10564 Arranged 'To Be Arranged'
Fall BIOL7110 S12 10555 Arranged 'To Be Arranged'
Fall BIOL7110 S13 10556 Arranged 'To Be Arranged'
Fall BIOL7110 S14 10557 Arranged 'To Be Arranged'
Fall BIOL7110 S19 10558 Arranged 'To Be Arranged'
Fall BIOL7110 S21 10559 Arranged 'To Be Arranged'
Fall BIOL7110 S22 10560 Arranged 'To Be Arranged'
Fall BIOL7110 S23 10561 Arranged 'To Be Arranged'
Fall BIOL7110 S24 10562 Arranged 'To Be Arranged'
Fall BIOL7110 S25 10563 Arranged 'To Be Arranged'
Spr BIOL7110 S31 20136 Arranged 'To Be Arranged'
Spr BIOL7110 S33 20137 Arranged 'To Be Arranged'

BIOL 7120. Independent Study 3.
No description available.
Fall BIOL7120 S12 10564 Arranged 'To Be Arranged'
Fall BIOL7120 S22 10565 Arranged 'To Be Arranged'
Fall BIOL7120 S23 10566 Arranged 'To Be Arranged'
Fall BIOL7120 S24 10567 Arranged 'To Be Arranged'
Spr BIOL7120 S34 20138 Arranged 'To Be Arranged'

BIOL 7130. Independent Study.
No description available.

BIOL 7140. Approved Subinternship Independent Study.
No description available.
Fall BIOL7140 S14 10568 Arranged 'To Be Arranged'
Fall BIOL7140 S16 10569 Arranged 'To Be Arranged'
Fall BIOL7140 S24 10570 Arranged 'To Be Arranged'
Spr BIOL7140 S34 20139 Arranged 'To Be Arranged'

BIOL 7150. Independent Study.
No description available.
Fall BIOL7150 S17 10571 Arranged 'To Be Arranged'

BIOL 7160. Scholarly Concentration Independent Study.
No description available.
Fall BIOL7160 S12 10572 Arranged 'To Be Arranged'
Fall BIOL7160 S13 10573 Arranged 'To Be Arranged'
Fall BIOL7160 S14 10574 Arranged 'To Be Arranged'
Fall BIOL7160 S15 10575 Arranged 'To Be Arranged'
Fall BIOL7160 S16 10576 Arranged 'To Be Arranged'
Fall BIOL7160 S1A 10577 Arranged 'To Be Arranged'
Fall BIOL7160 S21 10578 Arranged 'To Be Arranged'
Fall BIOL7160 S22 10579 Arranged 'To Be Arranged'
Fall BIOL7160 S24 10580 Arranged 'To Be Arranged'
Fall BIOL7160 S26 10581 Arranged 'To Be Arranged'
Fall BIOL7160 S27 10582 Arranged 'To Be Arranged'
Fall BIOL7160 S28 10583 Arranged 'To Be Arranged'
Spr BIOL7160 S34 20140 Arranged 'To Be Arranged'
Spr BIOL7160 S35 20141 Arranged 'To Be Arranged'
Spr BIOL7160 S36 20142 Arranged 'To Be Arranged'

BIOL 7165. Scholarly Concentration Independent Study.

BIOL 7170. Academic Scholar Program.
No description available.

BIOL 7180. Advanced Independent Study.
Fall BIOL7180 S2A 10584 Arranged 'To Be Arranged'

BIOL 7200. International Elective: University of Bologna (Italy).
Fall BIOL7200 S14 10585 Arranged 'To Be Arranged'
Fall BIOL7200 S22 10586 Arranged 'To Be Arranged'

Fall BIOL7205 S22 10587 Arranged 'To Be Arranged'
Fall BIOL7205 S24 10588 Arranged 'To Be Arranged'

BIOL 7210. International Elective: Moi University (Kenya).

Fall BIOL7215 S12 10589 Arranged 'To Be Arranged'
Fall BIOL7215 S24 10590 Arranged 'To Be Arranged'


BIOL 7225. International Elective: University of Rostock (Germany).

BIOL 7230. International Elective: Technion-Israel Institute of Technology.
Fall BIOL7230 S23 10591 Arranged 'To Be Arranged'

Fall BIOL7235 S14 10592 Arranged 'To Be Arranged'

BIOL 7240. International Elective: University of Tuebingen (Germany).


Fall BIOL7247 S22 10593 Arranged 'To Be Arranged'

BIOL 7301. Seminar on Race + Health Disparities.
Fall BIOL7301 S26 10594 Arranged 'To Be Arranged'

BIOL 7600. Approved Subinternship Away.
No description available.
Fall BIOL7600 S14 10595 Arranged 'To Be Arranged'
Fall BIOL7600 S23 10596 Arranged 'To Be Arranged'
Fall BIOL7600 S24 10597 Arranged 'To Be Arranged'
Spr BIOL7600 S34 20143 Arranged 'To Be Arranged'

BIOL 7605. Approved Subinternship Away 2.
Fall BIOL7605 S14 10598 Arranged 'To Be Arranged'
Fall BIOL7605 S23 10599 Arranged 'To Be Arranged'
Fall BIOL7605 S24 10600 Arranged 'To Be Arranged'
**Medical Education**

**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 healthcare 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 a 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 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 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.

**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.

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**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 40. S/NC