Health Professions Advising Orientation
Tuesday, Sept 5, 2017
Grand Hall, RMC
Meet the Team

Aliya Bhimani – Director

Bradley Blunt – Assistant Director

Mandi Cutchins – Assistant Director

Aurora Zarate - Department Coordinator

Christine Martinez – Associate Director

Tamara Cobb – Assistant Director

John Fierst – Assistant Director
Community of Advising

- Office of Academic Advising
- College Magisters
- Divisional Advisors
- Associates
- Major, Minor, & Transfer Advisors
- Peer Academic Advisors
- O-Week Coordinators & Advisors
- Collaborative Offices
Ley Student Center, Suite 132
Mission

Academic Advising at Rice University strives for an unparalleled environment for undergraduates to explore opportunities, identify goals, and implement plans to reach those goals.
Exploring Health Professions

- 40% express interest in health professions
- After exploration, many explore other options
- 12-16% of Rice graduates attend a health professional school
- 90% pursue M.D.
What are the Health Professions?

<table>
<thead>
<tr>
<th>Dentistry</th>
<th>Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>Occupational Therapy</td>
</tr>
<tr>
<td>Optometry</td>
<td>Pharmacy</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>Podiatry</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>Public Health</td>
</tr>
<tr>
<td>Speech Therapy</td>
<td>Veterinary Medicine</td>
</tr>
<tr>
<td>Combined Degrees</td>
<td></td>
</tr>
<tr>
<td>(MD/PHD)</td>
<td></td>
</tr>
</tbody>
</table>

“You treat a disease, you win, you lose. You treat a person, I guarantee you, you’ll win, no matter what the outcome”

Patch Adams
The Strong Candidate

Academic Foundation

Co-Curricular Experiences

Personal Attributes

Demonstrate your passions
Choosing a Major

- What interests you?
- Entrance requirements can be incorporated into any major
- Major does not increase or decrease admission chances

Rice Majors

- ENGI/NSCI: 40%
- HUMA/SOSC: 60%
# Prerequisite Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Required</th>
<th>Recommended</th>
<th>Hours</th>
<th>Required Lab Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>•</td>
<td></td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>General Chemistry</strong></td>
<td>•</td>
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<td>6</td>
<td>•</td>
<td>2</td>
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<tr>
<td><strong>Organic Chemistry</strong></td>
<td>•</td>
<td></td>
<td>6</td>
<td>•</td>
<td>2</td>
</tr>
<tr>
<td><strong>Biology</strong></td>
<td>•</td>
<td></td>
<td>6</td>
<td>•</td>
<td>2</td>
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<tr>
<td><strong>Biochemistry</strong></td>
<td>•</td>
<td>•</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physics</strong></td>
<td>•</td>
<td></td>
<td>6</td>
<td>•</td>
<td>2</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>•</td>
<td></td>
<td>3-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Statistics</strong></td>
<td>•</td>
<td>•</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Humanities/Social Sciences (hours n)</strong></td>
<td>•</td>
<td></td>
<td>12&lt;n</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The specific requirements for each medical school can be found in the yearly publication from the Association of American Medical Colleges, *Medical School Admission Requirements (MSAR)*, which can be purchased from the AAMC website: [www.aamc.org](http://www.aamc.org). Likewise, the American Dental Education Association publishes the *Official Guide to Dental Schools*, which can be purchased from the ADEA website: [www.adea.org](http://www.adea.org).

For specific requirements to other programs (veterinary medicine, pharmacy, optometry, etc.), please contact the OAA. Most Texas medical schools require additional upper-level biology coursework (300- & 400-level course offerings). Dental schools require additional coursework in microbiology. BIOC 424 will satisfy this requirement.
Placement
Biology, Chemistry, Math and Physics

• Department guides on OAA website

• Not all schools accept – see chart
• Take upper division course work
• Standardized Test Prep
Academic Tips

"Education is the most powerful weapon which you can use to change the world"  
-Nelson Mandela

- 14-16 credits hour/semester
- Must earn minimum "C" grade
- Take a diverse set of courses
- Avoid pre-requisite course over summer
- ENGI/NSCI labs can be time-consuming
- Focus on time management and study skills
- Can’t take pre-requisites Pass/Fail
“Travel and Change of Place Impart New Vigor to the Mind”

-Seneca
MCAT2015 has four test sections:

1. Chemical and Physical Foundations of Biological Systems
   - Score range: 118 to 132

2. Critical Analysis and Reasoning Skills
   - Score range: 118 to 132

3. Biological and Biochemical Foundations of Living Systems
   - Score range: 118 to 132

4. Psychological, Social, and Biological Foundations of Behavior
   - Score range: 118 to 132

MCAT2015 Total Score

- With centers at 125, section scores range from 118 to 132.
- The section scores sum to the total score.
- With its center at 500, the total score ranges from 472 to 528.
Dental Admissions Test (DAT)

Survey of Natural Sciences
- Biology
- General Chemistry
- Organic Chemistry

Perceptual Ability

Reading Comprehension

Quantitative Reasoning
MCAT and DAT Tips

Take soon after completing prerequisites

Plan to study for a significant amount of time
  • Self-Study
  • Prep Course

Aim to take once
  • Not uncommon to take a second time

Scores valid for 3 years
## Grades and Standardized Test Scores

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Mean Grade Point Average</th>
<th>Rice Mean MCAT Score</th>
<th>National Mean MCAT Score</th>
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</thead>
<tbody>
<tr>
<td>2010</td>
<td>3.710</td>
<td>33</td>
<td>28</td>
</tr>
<tr>
<td>2011</td>
<td>3.706</td>
<td>33</td>
<td>28</td>
</tr>
<tr>
<td>2012</td>
<td>3.712</td>
<td>33</td>
<td>28</td>
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<tr>
<td>2013</td>
<td>3.650</td>
<td>31</td>
<td>27</td>
</tr>
<tr>
<td>2014</td>
<td>3.707</td>
<td>33</td>
<td>28</td>
</tr>
<tr>
<td>2016</td>
<td>3.717</td>
<td>509</td>
<td>501</td>
</tr>
</tbody>
</table>

In the past 12 years, 87% of Rice UG first-time medical school applicants using the OAA services have been accepted to at least one medical school, whereas the national acceptance rate is about 41%. Even when including all alumni (including seniors who take a “gap year”), the Rice acceptance rate is more than double the national acceptance rate.
Grades and Test Scores

• Demonstrate Scholastic Achievement
  • Strong grades
  • Competitive test scores
• Schools Value Upward Trends
  • Don’t be discouraged if first year grades don’t meet expectations
• Seek Academic Assistance
• Test Scores support Holistic Review
Clinical Experiences

**Shadowing**
- Small Clinics
- Large Hospitals
- NSCI 399

**Volunteering**
- In a hospital or clinic

**REMS**
- Rice Emergency Medical Services
Community Service and Leadership

CENTER FOR CIVIC LEADERSHIP
RICE UNIVERSITY

PARTNERSHIP FOR THE ADVANCEMENT & IMMERSION OF REFUGEES

houston foodbank
Filling pantries. Filling lives.

PAIR

RICE DOERR INSTITUTE FOR NEW LEADERS

STUDENT ORGANIZATIONS

RPiΔΣ
Research

- All disciplines, develop critical thinking skills
- Earn credit, present, get published
- Rice and Texas Medical Center
Letters of Evaluation

Get to know your professors – EARLY!
Ask well in advance

Consider this ....

1 science or engineering professor
1 major professor
1 character
1 research (if applicable)
### Student Handbook and Honor Code

| Rice students agree to behave in ways that are responsible, respectful and adhere to the policies | Medical and dental school expect good judgment, honesty and integrity | Infractions MUST be reported – best to avoid them! | Take responsibility for mistakes and LEARN from lapse in judgement | Meet with an advisor to discuss how to present yourself honestly and appropriately |

“DO WHAT IS RIGHT
NOT WHAT IS EASY”
First Year Timeline

**Fall**
- Attend health professions workshop
- Plan a tentative course of study
- Survey career options
- Get involved

**Spring**
- Think about major
- Get involved

**OAA**
- Research
- Center for Civic Leadership
- Center for Career Development
- Study Abroad Office
• Open File Process and Health Professions Advising Committee (HPAC) Letter (junior year or after)

Common Application Services

AMCAS
• American Medical Colleges Application Service

TMDSAS
• Texas Medical and Dental School Application Service

AACOMAS
• American Association of Colleges of Osteopathic Medicine Application Service

AADSAS
• Associated American Dental School Applications Service
Gap Year(s)

- Growing # of Rice Students
- Mature with life experience
- Travel, work, clinical, research, service, graduate school
- 24 Years Old
Where should I apply?

Matriculants by State

- 66%: TX
- 6%: CT, DC, MA, MD, NH, NY, PA
- 10%: IA, IL, OH, MI, MO, WI
- 13%: AR, FL, KY, LA, TN
- 6%: AZ, CA, OR

Highest acceptance rate = Public schools in your home state
Office of Academic Advising
Website: http://oaa.rice.edu
Telephone: 713.348.4060
Email: aadv@rice.edu
Facebook: facebook.com/RiceAcademicAdvising
Twitter: twitter.com/riceacademics
Instagram: Instagram.com/riceacademics
Questions?