

# Education Council (EC) Meeting Minutes

May 19, 2015

<b>EC members present:</b>	J Pacala	<b>Guests:</b>
J Andrews	D Patel	Matt Belinski
J Beattie	A Pereira	Simone Gbolo
B Benson	D Power	
J Chipman	M Rosenberg	<b>EC members not attending:</b>
S Hansen	L Schimmenti	K Brooks
R Holton	A Severson	R Cormier
G Jacobs	S Slattery	K Crossley
W Jenson	S van den Hoogenhof	Y Shimizu
A Johns	M Wagar	T Stillman
S Katz	K Watson	G Trachte
M Kim	J Weil	G Vercellotti
R Michaels	M Woods	B Yueh
J Nixon		

## Minutes

Minutes for the April 21, 2015 EC meeting were approved with no corrections or additions.

## Discussion

### **UPDATE -- UMN Medical School Essential and Desired Qualities**

Associate Dean of Admissions, Dimple Patel spoke of holistic review of each application to any of the three programs. She emphasized the Committee’s work to enroll an outstanding class who share a set of essential qualities – these values and skills help to predict excellence in all avenues of medicine. The matriculates should also exhibit a wide range of desired qualities, reflecting the diversity of skills and interests needed to fulfill professional roles. The Task Force has developed a revised and strengthened set of Essential and Desired Qualities. The Duluth and TC Associate Deans provided updates of current admission for the Fall 2015 class for each campus. See May19<sup>th</sup> meeting materials for documents and additional information.

### **BS to MD Degree**

Dimple Patel provided details of the proposed BS to MD degree and the goals to create an accelerated pipeline for high achieving students from broadly diverse backgrounds. This would be an integrated program with early introduction to medicine; a focus on career maturity with a fast track individualized accelerated undergraduate program at the UMN TC. For students this would mean accelerated workforce entry and reduced debt burden.

### Benefits to the University

Attract a broadly diverse pool of exceptional students to the University of Minnesota and an opportunity to retain high ability Minnesota residents to train and serve the state. The potentially exists to attract top students who otherwise may enroll at other institutions.

### Challenges and critical feedback:

- How will we really know which students are the right ones for this kind of a program?
- 17/18 years olds cannot make this decision.
- How will we measure maturity?
- No data to work from at this point to confidently say who will and will not succeed in this program.
- Is the undergraduate experience being compromised?
- Has the appropriate level of maturity been developed - at 17/18 and 20/21?

The Admissions process, for undergrad and medical school, will be meticulous in obtaining appropriate and exceptional answers to “why medicine?” Ensure applicants have had sufficient experiences to solidify his/her interest in becoming a physician. Is there time for mentoring and extensive preclinical shadowing and

exposure to clinical settings? Multipronged approach designed to help students by way of individualized mentoring, shadowing, research, and unrestricted networking/communication with physicians and faculty.

### **Accelerated programs**

There are 52 active baccalaureate–MD programs across U.S. and Canadian Medical Schools. There are 20 accelerated Bachelors to MD programs in the U.S. ranging from 6-7 years. Historically these programs shorten the curriculum and can lower educational costs and improve earning power of these physicians.

### **EXISTING PROGRAMS**

#### **UMD Swenson College of Science and Engineering**

##### **Early Admission Scholars Program**

The Program is a total of 7 years (3 UG, 4 MS) and is a very select program, with up to 5 students per year accepted into the program. Students earn an MD and a BS in Biomedical Sciences degrees. To receive the BS Biomedical Sciences Degree a student must have completed the UMD Liberal Education requirements. Students complete the substantial portion of the first 3 years of any undergraduate major program in SCSE and the first year of medical school curriculum.

##### Early Admission Selection Factors

- Resident of Minnesota
- UMD students in the SCSE only who demonstrate a high potential and motivation for family practice in rural or Native American communities in Minnesota.
- MCAT score of 27 or higher in verbal reasoning, physical sciences, biological sciences with no score lower than 8.
- GPA of 3.5 or higher overall, and 3.5 or higher in science/math.
- Significant service activities and exposure to the medical field

##### Statistics

- 22 students since 2005
- UG GPA 3.43-3.98 (89% > 3.5)
- 16 in residency
- 100% 4 year medical school completion rate
- 6 enrolled in medical school
- 83% on track

##### Other accelerated programs

###### Boston University

7 year program, 12 week summer session at end of Y2, 3.2 cumulative UG GPA

###### The George Washington University

7 year program, required completion of major in 3 years, 3.6 cumulative UG GPA

###### Northwestern University

7- 8 year program, freshman admit honors program, customizable, 3.6 cumulative UG GPA requirement, University of Nevada

7 year program, B.S. degree awarded after 1<sup>st</sup> year of MS

###### Rensselaer Polytechnic Institute and Albany Medical College

7 year program, B.S. in Biology granted after first year of MS, Ph.D. option

##### **Proposed U of MN-TC Program overview**

- 7 year BS to MD program
- collaboration between the Medical School and College of Biological Sciences
- 10 students, start fall 2016
- Intrusive advising
- Build curricular and co-curricular experiences to achieve AAMC Core Competencies for entering medical students

##### **AAMC Admissions Core Competencies**

- Interpersonal Competencies
- Intrapersonal Competencies
- Thinking and Reasoning Competencies

- Science Competencies

### Admissions guidelines

Individuals, who meet competitive undergraduate admissions guidelines and CBS requirements, will be invited based on holistic review, taking all elements of the application into consideration.

Their experiences and interview demonstrate high potential in developing AAMC core competencies. Individuals are Minnesota residents.

### U of MN – TC Medical School

- Undergrad year 3 – Medical School application & interviews
- GPA: 3.5 Cumulative
- MCAT: TBD

Medical School acceptance offered upon satisfactory completion of program requirements

### Curriculum

- Biology B.S., accelerated track
- 94 Undergraduate credits in years 1-3
- 41 Medical Education credits in year 4
- Liberal Education requirements integrated within years 1-3
- Medical Education seminar years 1-3

### Recommendations

- |  |   |
|--|---|
| • Medical Education seminar              | • CBS advising syllabus & preparation curriculum w/assigned CBS advisor |
| • Mentoring                              | • Assigned Medical School advisor                                       |
| • MCAT preparation                       | • Medical education seminars  |
| • UMN Medical School application support | • Promotions committee  |
| • Advising touch points                  | • Medical School enrichment program                                     |
| • Summer Nature of Life                  | • Prospective student profiles  |
| • Summer pre-enrichment program          | • Assurance plans   |
| • Required advising appointments         | • Students monitored each semester                                      |

Plan design ensures timely progress whether in the program or not, collaborative commitment to assist students through transitions. Option to continue in CBS will be available. CBS student interests and performance establish a strong association as prospective medical students. Dimple Patel reported next steps will include meeting with SFC, CEC and CBS faculty to gather input and hopefully gather support. The goal is to present the proposed degree to the Regents during the Fall of 2015.

Discussion by EC members included identifying a number of concerns:

- level of maturity of student when entering residency (22-24 years old),
- with high academic achievers the issue will be professionalism not medical knowledge
- residency programs are less willing to take individuals in their early twenties
- at 20 is there enough time for opportunities to build-in experiences through shadowing and mentoring and synthesis of knowledge to practice

A motion was duly made and seconded for Education Council support and approval for development of the BS/MD degree, it passed unanimously. Associate Dean, Dimple Patel will return to the Education Council when further development has taken place.

**Next Meeting**  
**June 16, 2015, 4-5:30 p.m.**  
**Mayo B646**