



# *a day at DMU*

MASTER OF SCIENCE  
IN ANATOMY

DES MOINES UNIVERSITY



## A WORLD OF OPPORTUNITIES

Founded in 1898, Des Moines University comprises three colleges – Osteopathic Medicine, Podiatric Medicine and Surgery, and Health Sciences – that offer graduate degree programs in osteopathic medicine, anatomy, biomedical sciences, podiatric medicine, physician assistant studies, physical therapy, health care administration, and public health. Total University enrollment is approximately 1,800 full- and part-time students.

**Advantages for you:** DMU students and faculty share a commitment to health care and a focus on evidence-based practice and the discovery of knowledge. The University is large enough to offer state-of-the-art facilities and collaborations with other health care institutions, hospitals and organizations, but small enough to ensure educational excellence, personal interaction and access to diverse learning activities.

Offered by the College of Osteopathic Medicine, the master of science degree in anatomy expands your academic and career opportunities. For insights on career paths in anatomy, visit:

- American Association of Anatomists: [www.anatomy.org](http://www.anatomy.org)
- American Association of Clinical Anatomists: [www.clinicalanatomy.org](http://www.clinicalanatomy.org)
- Human Anatomy and Physiology Society: [www.hapsweb.org](http://www.hapsweb.org)



9:00 a.m.  
*Human Development study group:  
We accomplish so much more  
when we put our heads together.*

## Experts on the essence of humanity

*Keely Cassidy has her sights set on becoming a professor of anatomy at a private undergraduate institution with a cadaver laboratory. A student in DMU's master's degree program in anatomy, she was inspired in part by her one-to-one interactions with DMU faculty and the opportunities she's encountered on campus.*

*"DMU attracts professors with different backgrounds and research interests, resulting in a diverse group with the collective goal of teaching high-caliber medical anatomy courses. And, since the entire first year in the MSA program is spent in classes that the DO, DPM and DPT students are taking as well, we get to know learning colleagues from every college on campus."*

*Those opportunities have given Keely the preparation and confidence to achieve her goal. "The M.S. in anatomy program has given me a look at careers in education and prepared me to enter a doctoral program in human anatomy," she adds.*

## PROGRAM OVERVIEW



11:00 a.m.  
Gross Anatomy Lab:  
There are literally thousands  
of things to learn.

### Master of science in anatomy. Understanding the human body is critical to health care.

Des Moines University's master of science degree program in anatomy offers a unique immersion in the four disciplines of anatomy with experience in researching, presenting and teaching on anatomy topics. That's powerful preparation for making a difference in many scientific areas and in your career.

This immersion, combined with the University's exceptional faculty, state-of-the-art facilities and diverse learning options, produces graduates ready for doctoral/professional programs (such as in osteopathic or allopathic medicine or dentistry) or careers in teaching and research.

Whether you want to earn a professional degree, join an anatomy faculty or teaching staff or pursue another career path in the sciences, DMU's master's degree in anatomy will equip you to achieve your goal. You will gain comprehensive knowledge in the four

disciplines of anatomy: gross anatomy, cell and tissue biology, neuroanatomy, and human development. At the same time, you will sharpen your abilities to teach and present in all four disciplines and engage others in learning.

Students in the program regularly give presentations about their research and topics of interest. You also will develop a teaching module in an area you choose that you will share with fellow students and educators. In the Advanced Dissections course, you will present a topic of your choice, both in lecture and visual graphics, as a tutorial that will be posted on the DMU student intranet and Anatomy Department website. These experiences ensure you graduate with highly professional and polished presentation skills.

Throughout your studies, your knowledge and teaching abilities will be further enriched by Des Moines University's outstanding faculty. They are deeply committed to the advancement of their students and the high quality of the graduate and medical education they offer.

YEAR	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
1					Cell and Tissue Biology			Physiology				
			Biochemistry/ Molecular Genetics								Neuroanatomy	
				Gross Anatomy								
2												
					Advanced Dissections in Anatomy							
			Teaching in Anatomy									
	Human Development			Seminar in Anatomy				Seminar in Anatomy				
											Comp exam to be scheduled in June & July	

Required courses shown. Electives to be scheduled in consultation with faculty advisor.

2:00 p.m.  
Molecular Genetics  
Lab: The closer  
I look, the more  
fascinating it gets.

### A COMPREHENSIVE, IN-DEPTH APPROACH TO ANATOMY

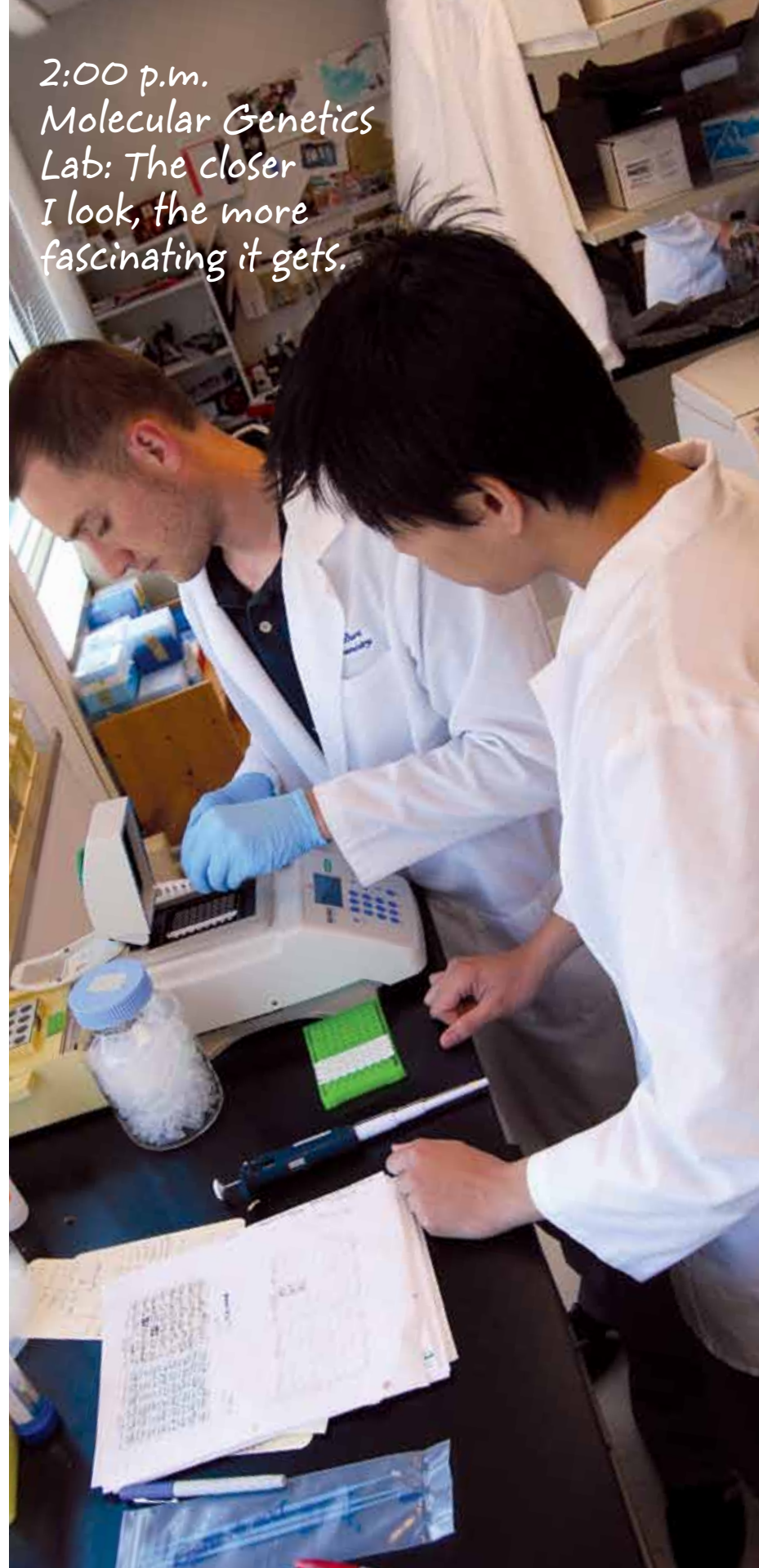
DMU's M.S. in anatomy reflects the breadth of the science's four disciplines with depth in each and practical experiences in research, teaching and presenting.

Students must maintain a cumulative average of 85 percent or higher in the courses Gross Anatomy, Cell and Tissue Biology, Neuroanatomy, and Human Development. Students must also maintain a cumulative average of 80 percent or higher within the entire master of science curriculum and must successfully complete the Comprehensive Examination in Anatomy.

### DEMONSTRATE YOUR KNOWLEDGE

The Comprehensive Examination in Anatomy consists of a written exam that covers the four disciplines of anatomy (gross anatomy, cell and tissue biology, neuroanatomy, and human development). The comprehensive exam is scheduled within ten weeks after the student has satisfactorily completed required and elective courses.

You'll be ready for the exam: First you can take an optional "mock" comprehensive exam that's student-designed and -driven and faculty-reviewed. You'll know what types of questions you'll see on the real exam, and you'll understand how you will be evaluated. That allows you to shape your studying and work on areas where you need it.



### EXPAND YOUR OPTIONS AND EXPERTISE WITH A DUAL DEGREE

Students in DMU's doctor of osteopathic medicine and doctor of podiatric medicine and surgery programs may pursue a dual degree leading to the master of science in anatomy or master of science in biomedical sciences degree. This option lets students combine the expertise gained in the master's degree program with their clinical knowledge and practice skills, helping their patients and enhancing their professional options and career.

Students apply for enrollment in the master's program during the first year of their clinical program. If accepted, they begin the master's curriculum the following June. Dual enrollees receive 28 semester

hours of credit toward the master in anatomy in their first clinical year, and they complete the master's degree before their third- and fourth-year rotations.

### DO I QUALIFY FOR ADMISSION?

If you have demonstrated high ability in the biological and chemical sciences throughout your undergraduate and graduate studies and standardized test results, DMU's master's degree program in anatomy will enable you to build upon your success. Intellectually capable students who possess investigative skills and inquisitive minds will find challenging and rewarding opportunities at DMU that will open even more doors. See more detailed information on pages 14-15.



### Frequently asked questions

**Q: How long will it take me to earn the M.S. degree in anatomy?**

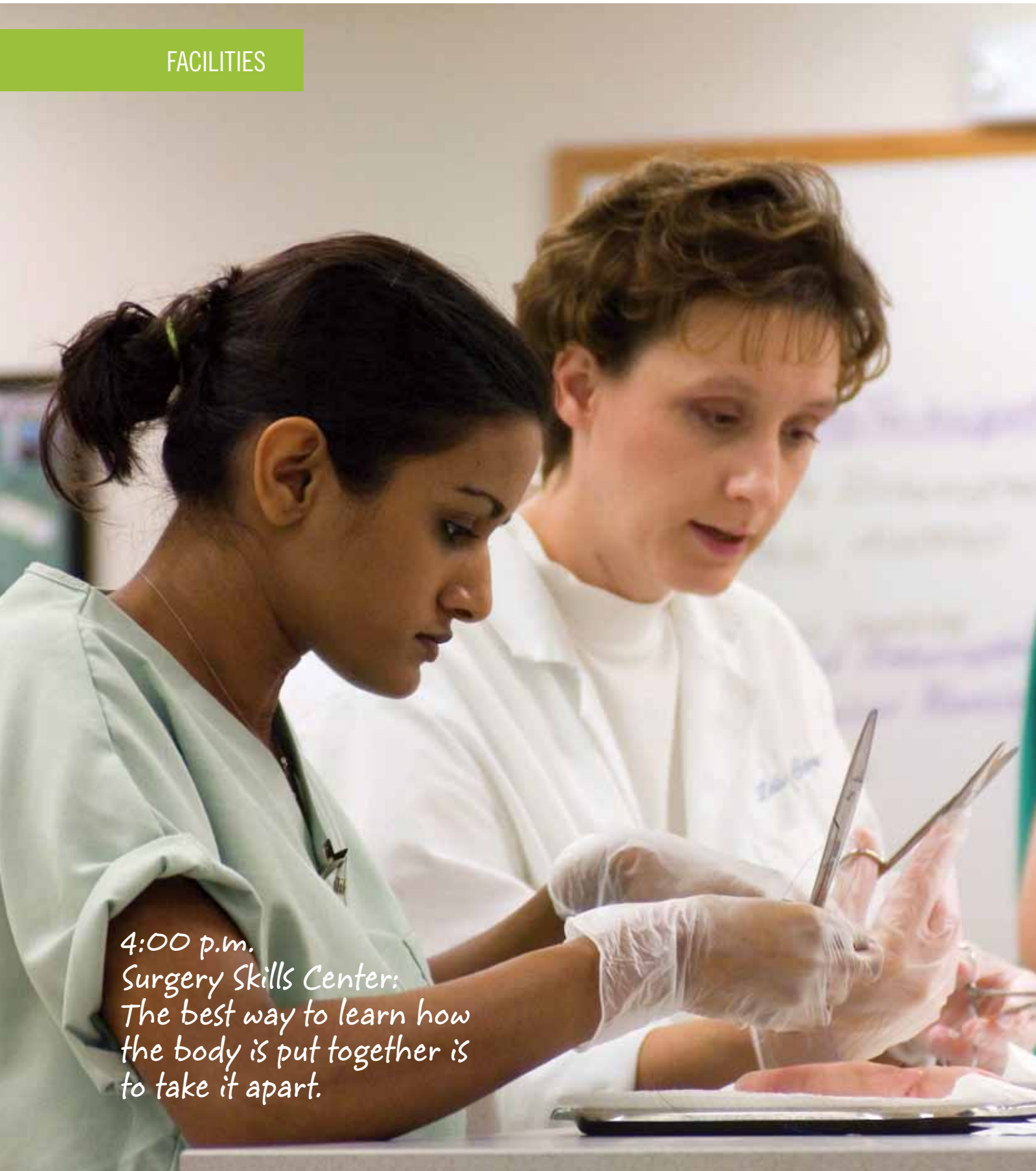
**A:** The degree program consists of 38 semester hours (32 semester hours of required course work and six hours of electives). The program can be completed in two years on a full-time basis. Part-time students can take up to five years to complete their degree.

**Q: Are classes available online?**

**A:** Not at this time. Courses emphasize faculty-student interaction, hands-on learning and research, and sharing information in presentations and informally. Get ready to work with highly professional and personable people.

**Q: Can I transfer credits from another program or institution to count toward my M.S. in anatomy sciences degree?**

**A:** A maximum of 10 semester hours may be transferred from another accredited (or equivalent) institution, pending the review and approval of DMU's College of Osteopathic Medicine graduate faculty. Grades earned on transferred courses must be equivalent to B or better. The request to transfer credit must be submitted in writing to the director of the anatomy program.



4:00 p.m.  
Surgery Skills Center:  
The best way to learn how  
the body is put together is  
to take it apart.



**Exceptional facilities enrich your education. DMU's laboratories and faculty mentors create an engaging environment.**

#### GROSS ANATOMY LABORATORY

The Gross Anatomy Laboratory features computer-aided instruction with 32-inch flat screen monitors at 43 dissection stations. Each station accommodates five students and offers dissection instructions linked to images from Netter's Atlas of Human Anatomy online. Video files of laboratory orientations and reviews are available to students, as are CT/MRI images, plain film radiographs and three-dimensional images converted from CT/MRI scans. Digital technology used in the lab provides greater insights and prepares students for the ways anatomy is viewed in medical practice.

#### SURGERY SKILLS CENTER

The Surgery Skills Center includes simulation model labs, a computer technology lab and a simulation operating room lab. The center provides an ideal controlled environment to help students integrate medical knowledge and critical thinking, learn and

practice fundamental and advanced technical skills, and practice and explore advances in technology.

The 4,000 square-foot facility easily accommodates up to 20 students with its two large simulated operating room suites, which feature multiple stations, eight scrub sinks, men's and women's locker rooms and physician lounge. Special equipment includes a digital overhead camera, station monitors for viewing and recording procedures, and laparoscopic equipment. Adjacent to the operating room suites are two large didactic rooms that include a wide range of surgical models, a computer lab, a conference room, office space and workroom.





**Interesting people.** From music to marathons, you'll work and play with DMU students and faculty.

DMU's **more than 50 clubs and organizations** offer speakers, presentations, hands-on workshops, opportunities to attend conferences and a wide variety of social and community service activities. Many are affiliated with national professional organizations; others focus on special interests, from pediatrics to infectious disease to holistic medicine.

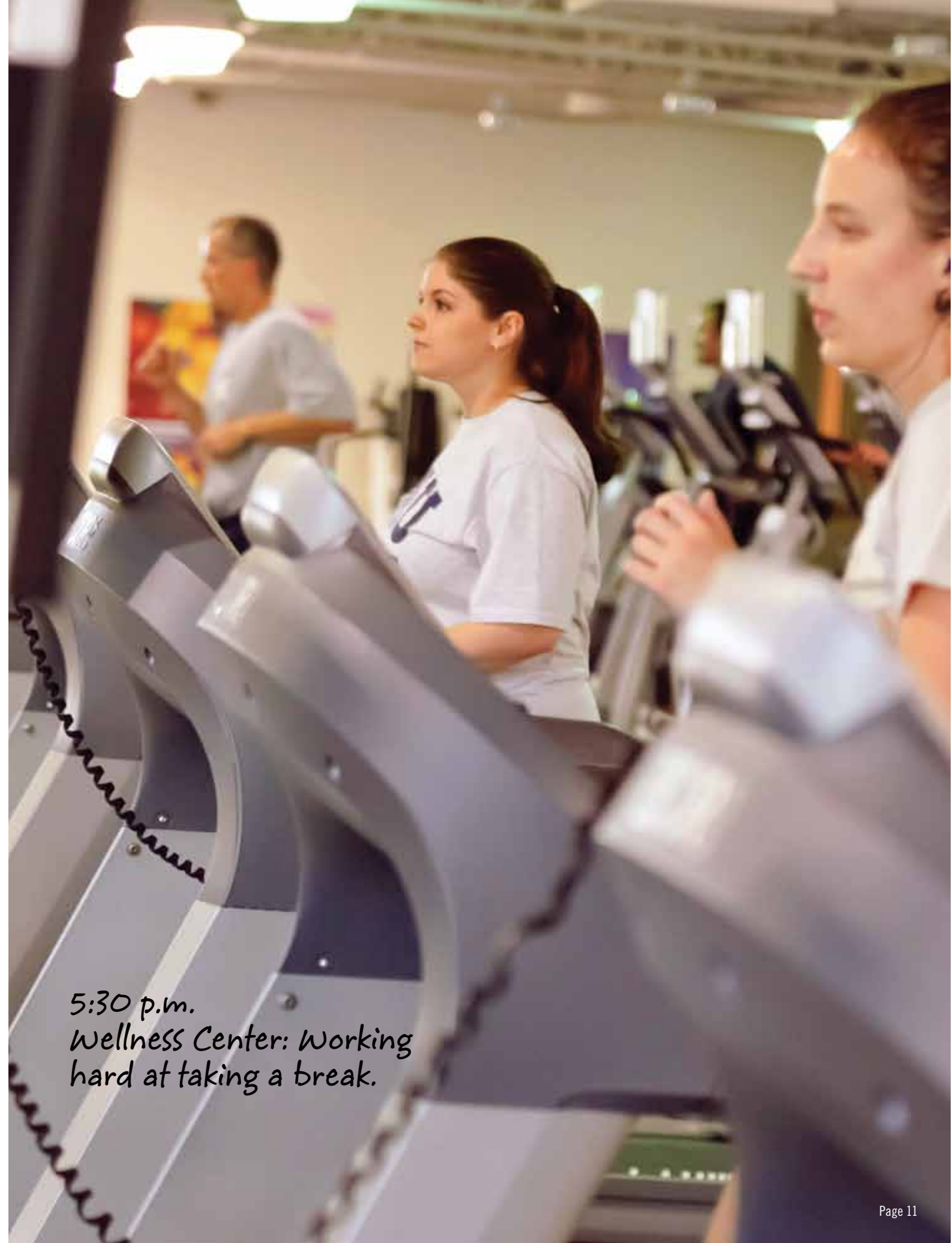
DMU is the nation's first university or college to earn **platinum status for its wellness program**, the highest recognition granted by the Wellness Councils of America. The wellness center has everything you need to stay (or get) in shape. Treadmills, elliptical machines, free weights, basketball and volleyball court, exercise classes, intramural sports, healthful

cooking classes – there's something going on all the time, and something for everyone.

**Student government** is a great way to have a voice and develop or sharpen leadership skills. Many students choose to become involved with student government or with the professional associations for their chosen field at the state and national levels.

**Community service** is common among DMU students and employees. Just some examples are the University's popular Senior Health Fair, free sports physicals and tutoring for local school kids, and outreach to homeless individuals.

The **Student Education Center** is your home away from home. It's a great place to study with friends, utilize the library, grab a beverage and a bite to eat in the cafeteria, curl up by the fireplace, take a TV break or unwind with a game of pool or ping-pong.



*5:30 p.m.  
Wellness Center: Working hard at taking a break.*

## DES MOINES

6:15 p.m.  
Riverwalk downtown  
Des Moines: Another  
great place to get lost  
in thought.

Many options and some great surprises. Like DMU, Iowa's capital city offers plenty to do.

Des Moines is a metropolitan city with an area population of more than 530,000 and lots of recreation, restaurants, entertainment venues, museums, professional sports and more.

The **DMU neighborhood** is known for its historic homes, shaded lawns and stately surroundings. The governor's residence at Terrace Hill is just a few blocks east. Many reasonably priced apartments are within walking distance of campus; many students, in fact, live right across the street. Grocery stores, shops, restaurants, pharmacies, banks and other services are located nearby. And while many students live near campus, others choose great housing options elsewhere in Des Moines or its suburbs. Wherever you live, the campus is within a 30-minute drive. And that's during rush hour.

**Downtown Des Moines** is a contemporary urban center with something for everyone. It features a new outdoor sculpture park, the Science Center of Iowa and IMAX Theater, Wells Fargo Arena, Broadway shows, baseball and arena football and an abundance of loft-style housing. Historic Court Avenue offers a variety of restaurants and music, and East Village offers distinctively different art, shopping and cuisine. During warm weather, the Downtown Farmers Market on Saturday mornings draws thousands who buy fresh produce, baked goods and much more.



### DES MOINES ADDS UP!

**#1 best city for young professionals** – *Forbes.com*

**#1 best place to raise a family** – *Farmers Insurance Group of Companies*

**4th best city in America where you can get the best bang for the buck** – *Forbes.com*

**3rd most livable city** – *American City Business Journals Inc.*

**4th among best cities for business** – *MarketWatch*

**6th best city to relocate to in America** – *CNBC.com*

**17th strongest U.S. metro economy** – *Farmers Insurance Group of Companies*

**One of the 18 "coolest places" to live in America** – *Men's Journal*

**18th of the top 50 "most blissful" cities in which to work** – *CareerBliss*

**35th of 200 largest U.S. metro areas in "brainpower"** – *Portfolio.com and American City Business Journals Inc.*

### DES MOINES HIGHLIGHTS

Safe neighborhoods, great public and private schools and many family-friendly events and attractions

12 colleges and universities and nearly 300 houses of worship representing 79 denominations or faiths in the metro area

Miles of bike paths, three lakes and more than 130 parks in the metro area

A thriving economy with strong agricultural companies, biosciences, health care, insurance, finance and more

Where Des Moines doesn't rank highly: in per-capita crime or cost of living. That's why, as the city motto says, Des Moines lets you "do more."

For more information about Des Moines, check out:  
[www.seedesmoines.com](http://www.seedesmoines.com)  
[www.desmoinesmetro.com](http://www.desmoinesmetro.com)

## THE ADMISSION PROCESS

### 1 HAVE WHAT IT TAKES

Admission to the master of science in anatomy program requires a bachelor's degree from an accredited college or university. The degree should be in the biological or physical sciences and include successful completion of the courses listed below. Applicants with non-science degrees are considered if they have a strong background in science. A science grade point average and cumulative GPA of 3.0 or higher are recommended to be considered for admission to the program.

**REQUIRED COURSES:** The following courses are required for admission to the M.S. degree in anatomy program; you may apply while course work is in progress.

- **Biology/Zoology:** 8 semester hours with labs
- **Biochemistry:** 3 semester hours
- **Inorganic Chemistry:** 8 semester hours with labs
- **Organic Chemistry:** 4 semester hours with labs
- **Physics:** 8 semester hours with labs (may substitute up to 3 semester hours of Statistics)
- **College English:** 6 semester hours

The following are recommended for admission to the M.S. degree program:

- **Molecular Biology:** 3 semester hours
- **Humanities:** 6 semester hours
- **Behavioral Sciences**
- **Math/Statistics**

Applicants also must supply, with their application, the results of one of the following entrance exams: Medical College Admission Test (MCAT), Graduate Record Examination (GRE) or Dental Admission Test (DAT). Test scores more than three years old are not accepted.

### 2 APPLY YOURSELF

**BEGIN THE APPLICATION PROCESS BY APPLYING ONLINE AT WWW.DMU.EDU.**

Click on "Academic Programs" at the top of the DMU home page and then select Anatomy. You'll find application information, requirements and the online form via the "How to Apply" link.

**SUBMIT THE NONREFUNDABLE \$50 APPLICATION FEE.** You can pay this fee with a credit card online or by calling the DMU Accounting Office at 515-271-1530; you also may pay with a check or money order, payable to Des Moines University, and mail it to Des Moines University, MSA Admission, 3200 Grand Avenue, Des Moines, IA 50312. Please note that we cannot process your application until the \$50 has been received.

### 3 GET IT IN WRITING

**PERSONAL STATEMENT:** Submit a one- to three-page personal statement describing your interests, professional goals and why you would like to attend Des Moines University to obtain an MSA degree.

**THREE LETTERS OF RECOMMENDATION:** On your application, indicate three people who will submit letters of recommendation who can attest to your potential to succeed in the Des Moines University master's degree program. Letter writers must complete and submit the DMU Letter of Recommendation form along with their letter. It must be sealed by the writer, with his/her signature across the seal. Letters must be sent to Des Moines University, MSA Admission, 3200 Grand Avenue, Des Moines, IA 50312.

**OFFICIAL TRANSCRIPTS:** Submit official transcripts from all undergraduate and graduate institutions you have attended. All transcripts must be sent from each institution's registrar's office to Des Moines University, MSA Admission, 3200 Grand Avenue, Des Moines, IA 50312. Photocopied transcripts, faxed transcripts and student or web-accessed versions of transcripts are not accepted.

### 4 YOU'RE DONE!

Once you have submitted all application materials, an admission representative will contact you to let you know your application file is complete. Competitive candidates for admission are invited to Des Moines University to tour the facilities, meet faculty and students, and have a formal interview.

#### FINANCING YOUR EDUCATION

The DMU Financial Aid Office will provide you with information about tuition, types of loans available, scholarship and grant information, forms, budgets and helpful addresses and phone numbers. The office is open Monday through Friday, 8 a.m. to 4:30 p.m., and is located on the fourth floor of the Academic Center. Contact the financial aid staff at 515-271-1470 or 800-240-2767, x1470, or via e-mail at [financial.aid@dmu.edu](mailto:financial.aid@dmu.edu).

The Financial Aid Office's website offers lots of helpful information, too, including general financial aid information, how to apply for aid, tuition and budget information, and a user-friendly guide on making your education more affordable. Visit [www.dmu.edu/fa/](http://www.dmu.edu/fa/) to get started.

#### FOR INTERNATIONAL STUDENTS

Effective starting with the 2012-2013 academic year, individuals who are not U.S. citizens or permanent legal residents are not eligible for admission to DMU except for its post-professional doctor of physical therapy program and its master of public health online-only program. If you have questions about the University's international student policy, call 515-271-7498 or e-mail [dmuadmit@dmu.edu](mailto:dmuadmit@dmu.edu).

STATEMENT OF NONDISCRIMINATION: Des Moines University does not discriminate on the basis of race, color, gender, creed, national origin, age, marital status, sexual orientation, or disability in employment, admission, or access to education programs, activities, or health care. DEFINITION OF DIVERSITY: Diversity at Des Moines University is a campus environment shaped by individuals and groups that offer a broad spectrum of cultural differences, life experiences, and the distinct characteristics they bring to our institution. These include, but are not limited to, educational background and performance, gender, race, ethnicity, age, socio-economic background, leadership qualities, employment experiences, talents, geographical background, and other attributes that affirm the University's commitment to creating an inclusive environment.



ACCREDITATION: The College of Osteopathic Medicine is accredited by the Council of College Accreditation of the American Osteopathic Association (AOA). As an accredited college, COM is a member of the American Association of Colleges of Osteopathic Medicine (AACOM). TUITION AND FINANCIAL AID: Once you are admitted, you may apply for financial assistance through the Financial Aid Office. To be eligible for financial aid, you must be registered for MSA course work with no conditions or probations on your student status. See [www.dmu.edu/fa/tuition\\_budgets](http://www.dmu.edu/fa/tuition_budgets). DISABILITY STATEMENT: Qualified individuals with disabilities who seek accommodations should refer to "Policy on Special Accommodations in Educational Programming" and make application for such accommodations pursuant to the procedures set forth in that policy. See [www.dmu.edu/com/do/accommodations](http://www.dmu.edu/com/do/accommodations).

This brochure has been prepared for general information purposes only. Des Moines University reserves the right to make program changes without notice. Tuition may be adjusted annually at the discretion of the Board of Trustees. 1K 10-11

### QUESTIONS?

We welcome your questions! Give us a call or reach us via e-mail at MSadmit@dmu.edu. For more information about the MSA program, visit our website at www.dmu.edu.

### HOW TO REACH US

Admission Office  
Des Moines University  
3200 Grand Avenue  
Des Moines, Iowa 50312-4198  
515-271-1499

Outside the 515 area code, call 1-800-240-2767, ext. 1499

E-mail: MSadmit@dmu.edu



**DES MOINES  
UNIVERSITY  
DOING A WORLD  
OF GOOD.**

