



MIDWESTERN UNIVERSITY
Health Careers Institute for High School Students

July 13-17, 2026
Schedule of Activities

Monday, July 13

- 8:00-8:30 A.M. **Welcome to MWU: Introductions & Ice Breakers: Bingo – Science Hall 130**
Kim Beaudion, Special Events Manager, Karen Mattox, Assistant Director, and MWU student mentors
- 8:30-9:00 A.M. **Group Introductions – Science Hall 130**
- 9:00-10:00 A.M. **Healthy Body, Healthy Mind: Osteopathic Medicine & Clinical Psychology Foundations**
Lori Kemper D.O., M.S., FACOFP, Retired Dean, AZCOM, and Bhupin Butaney, Ph.D., M.Ed., Associate Director and Professor, Clinical Psychology
- 10:00-11:00 A.M. **Osteopathic Medicine: The Healer Within– Agave Hall 208**
Explore the history and principles of osteopathic medicine and tips for how to best take care of yourself. Learn to utilize touch as a diagnostic and treatment tool.
Lori Kemper D.O., M.S., FACOFP and MWU student mentors Julio Villarman, AZCOM 28, Jacqueline Howton, AZCOM 29, and Vlad Stevanovic, AZCOM 29
- Clinical Psychology: Tools for Regulating Your Mind & Emotions – Agave 118**
Learn the role that psychology plays in clinical settings and in everyday life; practice exercises for positive mental health.
Bhupin Butaney, Ph.D., M.Ed., Associate Director and Professor, Clinical Psychology and MWU student mentors Lily Baffo, AZCOM 29, and Cristopher Paico Juarez, CDMA 29
- 11:00-Noon **OMM and Clinical Psychology Workshops**
Same as above - switch groups
- Noon-1:00 P.M.** **LUNCH – Barrel II Cafeteria**
- 1:00-3:30 P.M. **Clinical Skills Training – Agave Hall Second Floor**
- Introduction: **The Clinical Skills and Simulation Center: Welcome**
Jacqueline Spiegel, M.S., PA-C, Professor, Director of Clinical Skills & Simulation

- Station #1 **High Fidelity Simulation Scenarios - SIM Rooms 2, 3**
 Watch patient-provider encounters featuring life-like mannequins of human adult models. Learn the art of evaluating a patient in the ER and providing lifesaving measures.
MWU student mentors
- Station #2 **Vital Signs and Other Clinical Skills – Exam Rooms 1, 3, 5, 7**
 Learn techniques for taking patient vital signs and performing physical exams using exam room equipment.
MWU student mentors
- Station #3 **History-Taking Interview/SOAP & Prescription Writing– Exam Rooms 10, 12, 14, 16**
 Learn the key elements of performing a History Interview.
MWU standardized patients
- Station #4 **Gowning and Gloving – Scrub Room/ Mock OR A & B**
 Learn about the operating room environment by preparing for sterile patient surgery.
MWU student mentors
- 3:30-4:00 P.M. **Advisory Groups, Daily Reflection– Science Hall 130**

Tuesday, July 14

- 8:00-8:30 A.M. **OMM Foundations – Science Hall 130**
MWU student mentors
- 8:30-9:30 A.M. **ER/Ultrasound Imaging – Agave Hall 208**
 Discover day-to-day functions of an emergency medicine physician, including case examples, and learn to use ultrasound to view internal anatomy in real time.
Charles Finch, D.O., Chair, Integrated Medicine; and MWU student mentors
- Envision Optometry – Glendale Hall 110**
 Learn about the specialties within the field of optometry and practice eye exams and other activities in the optometry labs.
Pierce Kenworthy, O.D., FAAO, Associate Professor; Ashley Olson, O.D. Assistant Professor, Arizona College of Optometry; and MWU optometry students
- Physician Assistant Studies: Clinical Skills Lab - Science Hall 150**
 Learn about career options as a Physician Assistant and take part in a hands-on “skin” biopsy and suturing workshop.
Deborah Black, M.S., PA-C, Associate Professor & Clinical Coordinator; Nicole Hamilton, M.P.A.S., PA-C, Assistant Professor
- 9:30-10:30 A.M. **ER/Ultrasound, Optometry, and PA Workshops**
 Same as above - switch groups

- 10:30-11:30 A.M. **ER/Ultrasound, Optometry, and PA Workshops**
Same as above - switch groups
- 11:30-12:30 P.M.** **LUNCH – Cactus Wren 236-242**
Lunch & Launch: Exploring Advanced Degrees in Health & Research:
- Public Health with David Line, Ph.D., M.P.H. – Cactus Wren 236
 - Precision Medicine with Garilyn Jentarra, Ph.D. – Cactus Wren 238
 - Graduate Nursing with Melanie Logue, Ph.D., D.N.P., APRN – Cactus Wren 240
 - Research with TBD – Cactus Wren 242
- 12:30-1:45 P.M. **The Many Roles of a Pharmacist – Cholla Pharmacy Lab 101**
Discover the many career paths available to pharmacists, including the role of the pharmacist in proper medication management and opportunities in pharmaceutical research. Practice activities in the pharmacy lab.
Melanie Jordan, Ph.D., Associate Professor, Pharmaceutical Sciences, and MWU pharmacy students
- Occupational Therapy: Skills for the Job of Living – Glendale Hall Lab 317**
What does an occupational therapist do? Understand career options and practice utilizing adaptive equipment and dexterity games to improve patient function.
Katherine Schofield, D.H.S., OTR/L, CHT, Assistant Program Director; Holly Rae Jones, M. OTR/L, Instructor; Cynthia Selim, D.Sc., OTR/L. Assistant Professor, and MWU occupational therapy students
- 1:45-3:00 P.M. **Pharmacy and OT Workshops**
Same as above - switch groups
- 3:00-4:00 P.M. **Advisory Groups, Daily Reflections – Science Hall 130**

Wednesday, July 15

- 8:00-8:30 A.M. **OMM Foundations – Science Hall 130**
- 8:30-9:30 A.M. **Venipuncture Skills Lab – Agave 208**
Practice the art of phlebotomy (drawing blood). Note: blood activities are simulation only; no actual blood is involved.
MWU student mentors leads Julio Villarman, AZCOM 28, & Cristopher Paico Juarez, CDMA 29, with Sean Reeder, D.O., Associate Dean, Arizona College of Osteopathic Medicine
- Medical Ethics: An Interactive Case Study – Science Hall 130**

Apply principles of biomedical ethics and learn about its importance in decision making.

Nathan Johnson, Ph.D., Associate Professor, Biomedical Sciences, and MWU student mentors

Cardiovascular Perfusion Overview & Lab – Ocotillo 108

Learn the perfusionist's role in open-heart surgery, view a working heart and lung machine, and try your hand at a life-saving procedure.

Kyle Dana, D.C., Program Director, Cardiovascular Science

9:30-10:30 A.M. **Venipuncture, Medical Ethics, & Cardiovascular Workshops**
Same as above – switch groups

10:30-11:30 A.M. **Venipuncture, Medical Ethics, & Cardiovascular Workshops**
Same as above – switch groups

11:30-12:30 P.M. **LUNCH – Science Hall 130**
Personal Statement Writing & Interview Skills
MWU student mentors

12:30-1:45 P.M. **Speech-Language Pathology: Tools for Improving Communication – Cactus Wren 236**
Learn about careers in the exciting field of Speech-Language Pathology. Participate in workshops about the larynx, vocal cord function, and therapy techniques for those who have lost their ability to phonate.
Sharon Edwards, M.S., CCC-SLP, Clinical Assistant Professor, Speech-Language Pathology

1:45-3:00 P.M. **SLP & PT Workshops**
Same as above – switch groups

3:00-4:00 P.M. **Group Photo/Advisory Groups - Sahuaro Lobby**
Wear Your MWU Shirt

Thursday, July 16

8:00 A.M. **Meet at Large Animal Center/OMM Foundations**

8:30-9:30 A.M. **An In-Depth Large Animal Experience – Large Animal Center**
Join us for a fun, slightly dirty, hands-on encounter that will leave you with a better understanding of a day in the life of a large animal veterinarian! Interact with horses and cows to learn about the basics of handling as well as the equipment veterinarians

employ to perform a physical exam and make a diagnosis, including how to assess temperature, pulse, and respiration.

Sarah Matyjaszek, D.V.M., DACVS, Clinical Associate Professor, College of Veterinary Medicine; and MWU veterinary students

Discovering Animal Diagnostic Pathology Skills – Diagnostic Pathology Center

Get an up-close view of how veterinary pathologists study animal specimens to understand how they died, including working with police to help stop animal abusers.

Sylvia Ferguson, D.V.M., Ph.D., DACVP, Chair of Necropsy, College of Veterinary Medicine

The Wonderful World of Small Animal Veterinary Medicine – Companion Animal Center 311

Find exciting careers in veterinary medicine, from cats and dogs to birds, snakes, research, and more! Practice life-saving CPR techniques on dog mannequins, learn how to do a dog or cat physical exam, and test your skill reading small animal x-rays.

Anderson da Cunha, D.V.M., M.S., Dipl. ACVAA, Director of Companion Animal Clinic, Professor, College of Veterinary Medicine

9:30-10:30 A.M. **Large Animal, Pathology, and Small Animal Workshops**
Switch groups – same as above

10:30-11:30 A.M. **Large Animal, Pathology, and Small Animal Workshops**
Switch groups – same as above

11:30-12:30 P.M. **LUNCH – Barrel II Cafeteria**
Small Group Table Topics-Specialties:
Military – Carl Bryce, M.D.
Sean Reeder, D.O.
Family Medicine – Tracy Middleton, D.O., FACOFP
Pediatrics – Nancy Horlick, M.D.
OBGYN
Cardiology
Travel Nursing – Melanie Logue, Ph.D., D.N.P., APRN

12:30-2:00 P.M. **Careers in Dental Medicine – Glendale Hall Simulation Lab 206**
Learn about dental school and career options in dentistry, then try your hand at different hands on stations in the high-tech dental simulation lab.
Alexandra Pierre-Bez, D.M.D., M.Ed., Associate Professor; Daphne Velazquez, D.D.S., Assistant Professor, College of Dental Medicine-Arizona and MWU dental students

A Look Inside Human & Animal Bodies – Sahuaro Anatomy Lab 101

View human and animal anatomical specimens such as a heart, arm, brain, and others in a medical school anatomy lab. No actual dissection involved.

Andrew Lee, Ph.D., Professor, Anatomy, and MWU student mentors

2:00-3:30 P.M. **Dental Medicine and Anatomy Workshops**
Switch groups – same as above

3:30-4:00 P.M. **Advisory Groups, Daily Reflections – Science Hall 130**

Friday July 17

8:00-8:30 A.M. **OMM Foundations – Science Hall 130**

8:30-10:00 A.M. **Nurse Anesthesia: Healthcare’s Best Kept Secret – Ocotillo 103**
An overview of the exciting careers in nurse anesthesia. Learn how an anesthesia machine works and how to intubate a mannequin.
Deanna Villalino, D.N.A.P., CRNA, Director of Didactic Education, Nurse Anesthesia

Clinical Skills & Simulation Contest – Agave Hall
Put your clinical and patient skills into action in a real-life patient scenario!
Brian Monaghan, M.P.A., Assistant Director, Clinical Skills & Simulation Center; and MWU student mentors

10:00-11:30 A.M. **Nurse Anesthesia and Clinical Skills Contest Workshops**
Switch groups – same as above

11:30-12:30 P.M. **LUNCH – Barrel II Cafeteria**

12:30-1:45 P.M. **Biomedical Sciences/Agar Gel Immunodiffusion (AGID)– Sahuaro**
Accurate diagnostic testing is a vital part of effective healthcare and public health response! Learn how to perform AGID and use the assay to investigate a suspected infectious disease outbreak in a community.
Adebayo Molehin, Ph.D., M.S., Associate Professor, Microbiology and Immunology, and MWU student mentors

Physical Therapy: Mobility is Medicine – Wellness and Recreation Center Gym
Learn about careers in Physical Therapy, try out PT equipment, and practice different assessment and therapy techniques. Come dressed in clothes you can move in!
Roi Dennis Cayetano, PT, D.P.T., Assistant Professor, Physical Therapy, and MWU physical therapy students

1:45-3:00 P.M. **Biomed and PT Labs**
Switch groups – same as above

3:00-4:00 P.M. **Advisory Groups – Science Hall 130**

Final Reflections
Final Evaluations

4:00-5:30 P.M. **OPEN HOUSE RECEPTION for Friends & Family – Ocotillo E, F, G**

- *Welcome/ MWU Overview*
- *Videos*
- *SIM Contest Winners*
- *Raffle Winners*
- *Team certificates & awards*

5:30 P.M. **END PROGRAM**