The Department of Surgery Professional Development and Research Training Program includes attainment of an advanced degree through The Ohio State University College of Medicine Master of Medical Science Program (MMSP). The MMSP is designed to provide flexible, advanced-degree training for physicians interested in pursuing careers in academic medicine. Training is achieved through a core curriculum, electives individualized for the student’s career path, and a mentored research project. Curricular tracks are available that support basic/translational science, clinical science, health services and education science.

Core Curriculum
- Research Design and Methods
- Research Ethics
- Science Communication and Grant Writing
- Statistical Analysis
- Signature Program Translational Science Series
- Elective Examples
  - Career Development for Surgeons
  - Business Practice for Surgeons
  - Biomedical Informatics
  - Pharmacogenomics
  - Health Policy and Delivery
  - Survey Design
  - Health Services Research

Recipients of Master of Science degree while in the Surgery Residency Program at Ohio State

- Joseph Drews, MD
  Tissue Engineering – 2018
- Eliza Beal, MD
  Immunotherapeutics – 2017
- Christopher McQuinn, MD
  Immunotherapeutics – 2017
- Shaylyn Bennett, MD
  Heart Failure Physiology – 2017
- Shayna Brathwaite, MD
  Cancer Biology – 2016
- Nakesha King, MD
  Tissue Engineering – 2017
- Taehwan Yoo, MD
  Immunotherapeutics – 2017
- Daniel Lodwick, MD
  Clinical Outcomes in Pediatric Surgery – 2016
- David Strosberg, MD
  Surgical Education and Coagulation/Hemostasis – 2017
- Ekene Onwuka, MD
  Immunotherapeutics – 2016
For more information about the research requirements in the Ohio State Department of Surgery and MMS degree, please contact:

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Director, Master of Medical Science Program
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Recipients of other master degrees while in the Surgery Residency Program at Ohio State

**Chelsea Horwood, MD**
Surgical Quality and Safety, Master of Public Health – 2018

**Michelle Nguyen, MD**
Surgical Quality and Safety, Master of Public Health – 2016

**Alistair Kent, MD**
Clinical Outcomes, Master of Public Health – 2012
George Washington University

**Ioannis Hatzaras, MD**
Clinical Outcomes, Master of Public Health – 2009

**Melissa Hornor, MD**
Health Services and Outcomes, Master of Science – 2018
Northwestern University

**Lisa Haubert, MD**
Surgical Education, Master of Anatomy – 2009

**Margaret Sawyer, MD**

**Vance Smith, MD**
Models for Faculty Reimbursement at AMCs, Master of Business Administration – 2007