

OBSTETRICS & GYNECOLOGY (OBG) - RESIDENT MASTER'S DEGREE

- Carl H. Rose, M.D., Program Director, Maternal Fetal Medicine (MFM)
- Carrie L. Langstraat, M.D., Program Director, Gynecologic Oncology (GYNO)
- Chandra C. Shenoy, M.D., Program Director, Reproductive Endocrinology and Infertility (REPR)
- Isobel C. Green, M.D., Program Director, Minimally Invasive Gynecologic Surgery (MIGS)
- Annetta M. Madsen, M.D., Program Director, Female Pelvic Medicine/Reconstructive Surgery (GYNP)
- Laura L. Elliot, M.D., Program Director, Obstetric Medicine and Surgery (HOSP)

Eligibility

This program is designed for Mayo residents who hold appointments to the clinical programs of Mayo School of Graduate Medical Education. Potential candidates for the degree must hold appointments of sufficient duration to complete degree program requirements.

The opportunity to take graduate school courses is a benefit and privilege for qualified trainees, but not a guarantee. Permission to take courses may be restricted and/or forfeited at the discretion of the learner's program director if expectations of the learner's primary training role are not being met. Any violation of Mayo Clinic policies may forfeit acceptance into a Master's degree program.

Minimum Requirements

It is expected that a minimum of six months will be devoted to research. Students are not admitted to a specialty track unless there is reasonable assurance that course work required for completion of degree requirements is available.

Transfer Credits

A total of 9 didactic credits may be transferred into the Resident Master's Program.

For more details, see the Credit Conversion, Transfer, Waiver, and Substitution Policy on the MCGSBS intranet site.

Course Requirements

A total of 45 credits with maintenance of at least a 3.0 GPA are required for graduation.

OBG Core Courses

Code	Title	Hours
ANAT 6000	Anatomy of the Pelvis and Perineum	2
MGS 6000	Responsible Conduct of Research	1
CTSC 5600	Introduction to Statistics in Clinical and Translational Research	3
CTSC 5602	Introduction to Utilizing Statistical Software in Clinical and Translational Research	1
CTSC 5100	Academic Publishing	1

Select one of the following:		1-2
CTSC 5300	Foundations of Epidemiology	
CTSC 5370	Introduction to Epidemiology	
Total Hours		9-10

OBG Journal Clubs

Code	Title	Hours
A minimum of 2 journal club credits are required. A maximum of 4 journal club credits may be applied towards degree requirements. Journal clubs may be taken more than once. Journal clubs outside of OBG may be taken, with approval from the fellowship director.		2
OBG 5000	Sentinel Articles in Gynecology Oncology	
OBG 5002	Gynecological Surgery Journal Club	
OBG 5003	Minimally Invasive Gynecology Journal Club	
OBG 5004	Reproductive Endocrinology and Infertility Gynecology Journal Club	
OBG 5005	Journal Club for Professionals in MFM & HOSP	
BMB 6510	Cancer Biology Journal Club	
Total Hours		2

OBG Professional Courses

Code	Title	Hours
A maximum of 2 credits may be applied towards degree requirements. Courses may be taken more than once.		2
OBG 5802	Professional Skills in Gynecological Oncology	
OBG 5803	Professional Skills in Gynecological Surgery	
OBG 5804	Professional Skills in Maternal Fetal Medicine	
OBG 5805	Professional Skills in Reproductive Endocrinology and Infertility	
OBG 5806	Case Studies in Minimally Invasive Gynecological Surgery	
OBG 5807	Professional Skills in Minimally Invasive Gynecological Surgery	
OBG 5808	Professional Skills in Hospital Obstetrics	
OBG 5809	Case Studies in Hospital Obstetrics	
Total Hours		2

Research Courses

Code	Title	Hours
MGS 6100	Master's Thesis Proposal	3
OBG 6840	Research in Obstetrics Gynecology ((5 cr./qtr. – 4 qtrs. required))	24
Total Hours		27

Concentrations and Electives

All concentration and elective credits must total a minimum of 9 credits. Each concentration To receive a concentration, all requirements must be completed (minimum 5 credits). Completing a concentration is not required. Students may take other Graduate School courses as an elective, with approval from their fellowship director. Students are responsible for meeting course prerequisite requirements. See the Graduate School Course Catalog or contact MCGSBSCurr@mayo.edu.

Gynecologic Oncology Concentration (GYNO)

Code	Title	Hours
BMB 5000	Cancer Biology I: Introduction to Cancer Biology: Molecular, Cellular and Genetic Basis of Cancer	3
BMB 5350	Hormones and Cancer	1
OBG 5500	Case Studies in Gynecological Oncology	1
Total Hours		5

Endocrinology and Infertility Concentration (REPR)

Code	Title	Hours
BMB 6660	Transcription, Chromatin, and Epigenetics	2
Select one of the following:		3
BMB 5150	Molecular Cell Biology	
BMB 5450	Genomics and Functional Genomics	
Total Hours		5

Biomedical Ethics (BET)

Code	Title	Hours
CTSC 5261	Theoretical and Historical Foundations of Biomedical Ethics	2
CTSC 5262	Health Policy and Biomedical Ethics	1
Select two of the following:		2
CTSC 5210	Ethical Issues in Regenerative Medicine	
CTSC 5263	Ethical Issues in Population Health	
CTSC 5340	Ethical Issues in Individualized Medicine	
CTSC 5350	Ethical Issues in Artificial Intelligence and Information Technologies	
Total Hours		5

Clinical Trials (CLTR)

Code	Title	Hours
Select 5 credits of the following:		5
CTSC 5010	Clinical Research Proposal Development	
CTSC 5020	Regulatory Issues in Clinical Research	
CTSC 5025	Introduction to Regulatory Science	
CTSC 5390	Advanced Applied Epidemiological Methods	
CTSC 5710	Practical Data Collection	
CTSC 5720	Clinical Trials Design and Conduct	
CTSC 5820	Introduction to Survey Research	
Total Hours		5

Individualized Medicine (IDVM)

Code	Title	Hours
CTSC 5340	Ethical Issues in Individualized Medicine	1
CTSC 5400	Introduction to Bioinformatics Concepts and Core Technologies for Individualized Medicine Approaches	1
CTSC 5410	Molecular Variant Evaluation	1
CTSC 6160	Genomic Analysis and Data Interpretation for Rare and Undiagnosed Diseases	2
Total Hours		5

Mixed Methods Research (MIXM)

Code	Title	Hours
CTSC 5810	Qualitative Research Design, Methods, and Analysis	1
CTSC 5815	Qualitative and Mixed Methods Research for Translational Science	2
CTSC 5820	Introduction to Survey Research	1
CTSC 5900	Introduction to Health Services Research	1
Total Hours		5

Quantitative Research Methods (QUAN)

Code	Title	Hours
CTSC 5610	Statistics in CTR: Linear Regression Concepts, Interpretation, and Statistical Software	3
CTSC 5640	Statistics in Clinical and Translational Research: Logistic Regression with Statistical Software	1
CTSC 5650	Advanced Statistics in CTS Research: Survival Analysis with Statistical Software	1
Total Hours		5