

Guided Pathway to The George Washington University School of Medicine and Health Sciences BSHS in Assisted Reproductive Technology Advising Worksheet

Clinical embryologists are trained medical laboratory professionals who specialize in aiding infertility treatment with in vitro fertilization (IVF) and assisted reproductive technology (ART). There is a growing demand for professionals in this rapidly expanding field. This bachelor's degree program is the first in the nation that prepares students for positions in ART laboratories, biotechnology companies, research institutes, and hospitals. In addition, graduates of the program will be eligible to take the embryology and andrology board certification examination (ELS and ALS) offered by the American Board of Bioanalysts. Graduates will be prepared to pursue an advanced degree beyond the baccalaureate, if they choose.

For more information, contact:

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Program Delivery: *Online & GW Virginia Science & Technology Campus (VSTC)*

Program Website: <https://smhs.gwu.edu/academics/health-sciences-programs/departments/biomedical-laboratory-sciences>

Assisted Reproductive Technology Admission Requirements - Completed Associated Degree

(31 General Education + 29 Electives)

- English Composition (3 credits)
- Pre-Calculus I, Statistics, or higher math (3 credits)
- General Biology with Lab (8 credits)
- General or Inorganic Chemistry with Lab (8 credits)
- Humanities (3 credits)
- Social Sciences (6 credits)
- Electives (29 credits)

Requirements	Credits
General Education + Electives	31 + 29
TOTAL Transferred Credits from Associate's Degree	60
Required Credits for GW Bachelor's Completion	+60
Total Credits - Bachelor's of Science in Health Sciences in Assisted Reproductive Technology	120

Semester Offered = F-Fall, Sp-Spring, S-Summer

Delivery Mode = O-Online, H-Hybrid, F-Face-to-Face

Junior Year – GW Assisted Reproductive Technology						
<input checked="" type="checkbox"/>	Course #	Course Title	College	Credits	Semester	Delivery Mode
	HSCI 2112W	Writing in the Health Sciences	SMHS	3	F, Sp, S	O
	HSCI 4112W	Research and Writing in Health Sciences	SMHS	3	F, Sp, S	O
	MLS 3000	Laboratory Math	SMHS	3	F	O
	MLS 3001	Ethics for Laboratory Medicine	SMHS	3	F	O
	MLS 3003	Biochemistry for Laboratory Science	SMHS	3	F	O
	MLS 4158	Laboratory Management and Operations	SMHS	3	F, Sp, S	O
	CERT 4010	Clinical Human Embryology	SMHS	3	Sp	O
	CERT 4011	Human Embryology Lab	SMHS	1	Sp	F
	CERT 4012	Clinical Human Andrology	SMHS	3	Sp	O
	CERT 4013	Human Andrology Lab	SMHS	1	Sp	F
	CERT 3004	Endocrinology for Health Sciences	SMHS	3	Sp	O
	CERT 3005	Current Topics in Biomedical Science	SMHS	1	Sp	O
		Total Credits		30		

Senior Year – GW Assisted Reproductive Technology						
	MLS 4141	Immunology and Serology	SMHS	3	F, Sp, S	O
	MLS 4151	Molecular Diagnostic (lecture)	SMHS	3	F	O
	MLS 4251	Molecular Diagnostics Laboratory (lab)	SMHS	1	F	F
	CERT 4014	Human Reproductive Cryobiology	SMHS	3	F	O
	CERT 4015	Human Cryobiology Lab	SMHS	1	F	F
	MLS 4171	Human Genetics	SMHS	3	Sp	O
	CERT 4016	Preimplantation Genetic Diagnosis Lab	SMHS	1	F	F
	CERT 4017	Clinical Experience in Embryology	SMHS	3	Sp	F
	CERT 4018	Clinical Experience in Andrology	SMHS	3	Sp	F
	CERT 4019	Clinical Experience in Cryobiology	SMHS	3	Sp	F
	CERT 4020	Clinical Experience in Preimplantation Genetic Diagnosis	SMHS	3	Sp	F
		Elective	SMHS	3	F, Sp, S	O
		Total Credits		30		