

Pre-Genetic Counseling at the University of Michigan-Dearborn

Below, in the table on both pages, are the classes you need to meet the requirements for the two accredited Genetic Counseling (GC) programs in the State of Michigan. **Admissions requirements vary among GC programs.** Students can find requirements for all accredited GC programs in the [Accreditation Council for Genetic Counseling](#).

Course Subject	Course Title	Course Number	Credit Hours	DDC*
Biology	Intro. to Organismal and Environmental Biology	BIOL 130+lab	4	GENS
	Intro. to Molecular and Cellular Biology (pre-req CHEM 134)	BIOL 140+lab	4	GENS
	General Genetics (pre-req BIOL 140)	BIOL 306	4	
Chemistry	General Chemistry IA ((pre-req or co-req MATH 105 or equivalent)	CHEM 134+lab	4	GENS
	General Chemistry IIA (pre-req CHEM 134)	CHEM 136+lab	4	GENS
	(If you took CHEM 144 & 146 + labs, this is acceptable.)			
	AND			
	Organic Chemistry I (pre-req CHEM 136)	CHEM 225	4	
	Organic Chemistry II (pre-req CHEM 225)	CHEM 226	4	
	Organic Chemistry Laboratory (pre-req or co-req CHEM 226)	CHEM 227	2	
	AND			
	Principles of Biochemistry (pre-req BIOL 130, 140 and CHEM 226)	BCHM 370 <i>or</i> BIOL 370 <i>or</i> CHEM 370	4	
	OR			
	Biochemistry I (pre-req BIOL 130, 140 and CHEM 226))	BCHM 470 <i>or</i> BIOL 470 <i>or</i> CHEM 470	4	
	Biochemistry II (pre-req BCHM 470)	BCHM 471 <i>or</i> BIOL 471 <i>or</i> CHEM 471	4	
Math	Introduction to Statistics	STAT 263	3	GEQT
	OR			
	Biostatistics I (pre-req Math 113 or 115)	STAT 301	4	



Course Subject	Course Title	Course Number	Credit Hours	DDC*
Social Sciences	Introduction to Psychology	PSYC 101	3	GESB

DDC* = Dearborn Discovery Core

GENS = Natural Sciences

GEWO = Written & Oral Communication

GEWI = Upper Level Writing Intensive

GEQT = Quantitative Thinking/Problem Solving

GESB = Social & Behavioral Analysis

GECC = Critical & Creative Thinking

Recommended additional college courses (**required** by some GC programs):

Please keep up-to-date and learn requirements for all US GC programs by referring to details in the [Accreditation Council for Genetic Counseling](#)

Please note: Some Genetic Counseling Programs do not accept AP credit for prerequisite courses. Check with your respective programs' website well before you apply.