

Certified Genetic Counselor (CGC)

Exam Content Outline

1	Clinical Information, Human Development, and Genetic Conditions	34
A	Clinical Information	13
1	Medical history, including pregnancy history	
2	Teratogens, exposure, and other non-genetic risk factors	
3	Differential diagnosis or indication	
4	Appropriateness and urgency of referral	
B	Human Development	6
1	Fetal development	
2	Developmental milestones	
3	Physical and psychological development	
C	Genetic Conditions	15
1	Clinical features	
2	Natural history	
3	Screening, surveillance, and risk reduction	
4	Treatment options	
5	Management options	
6	Diagnostic processes including clinical criteria and testing strategy	
7	Mode of inheritance	
8	Etiology	
2	Risk Assessment and Principles of Human Genetics and Genomics	32
A	Risk Assessment	17
1	Family history, pedigree construction, pedigree analysis	
2	Risk calculations	
3	Residual risk and follow-up medical plan	
B	Principles of Human Genetics and Genomics	15
1	Mendelian and non-Mendelian inheritance	
2	Factors that influence phenotype and genotype	
3	Population and quantitative genetics	
4	Human genetic variation and disease susceptibility	
3	Testing Interpretation, Testing Options, and Reproductive Risk Management	35
A	Testing and Interpretation	15
1	Test methodologies/technologies and applicable limitations	
2	Variant interpretation, reanalysis, and reclassification	
3	Clinical context	
4	Predictive value of tests	
5	Sensitivity and specificity	
6	Analytic validity, clinical validity, and clinical utility	
7	Sample type	
B	Testing Options	12
1	Diagnostic	
2	Screening	
3	Predictive/pre-symptomatic	

4	Somatic	
5	Carrier	
6	Research	
C	Reproductive Risk Management	8
1	Assisted reproductive technologies (ART)	
2	Family planning and reproductive options	
3	Prenatal screening	
4	Prenatal diagnostic procedures	
4	Counseling Skills, Communication, and Education	30
A	Counseling Skills	15
1	Contracting	
2	Interviewing techniques	
3	Psychosocial assessment and follow-up	
4	Family dynamics	
5	Client personal identity	
6	Cultural humility	
7	Counseling theories and models	
8	Defense mechanisms and coping strategies	
9	Decision-making styles	
10	Self-awareness and client-counselor dynamics	
B	Communication and Patient Education	15
1	Adapting counselling to modes of delivery	
2	Risk communication theories and models	
3	Strategies for working with interpreters	
4	Strategies of results delivery and long-term follow-up	
5	Impact of health literacy	
6	Elements of informed consent	
7	Informed decision making	
5	Financial/Reimbursement Issues, Resources and Services for Clients, Legal and Regulatory Requirements, and Professional Frameworks	39
A	Financial/Reimbursements Issues	7
1	Application of insurance policies	
2	Compliance with billing and reimbursement requirements	
3	Letters of medical necessity	
B	Resources and Services for Clients	8
1	Financial assistance resources	
2	Appropriateness of resources	
3	Timely delivery of resources	
C	Legal and Regulatory Requirements	11
1	Genetic non-discrimination legislation	
2	Patient access to information	
3	Privacy and confidentiality regulations	
4	Medical documentation	
5	Standards and regulations for human-subjects research	
6	Genomic data security	

D	Professional Frameworks	13
1	Codes of Ethics	
2	Ethical decision making	
3	Evidence-based practice	
4	Conflict of interest	
5	Clinical supervision of students	
6	Scope of practice	
7	Professional and public education	

Secondary Classification

Cognitive Level	Minimum Required	Maximum Allowable
Recall	20%	25%
Application/Analysis	75%	80%

