Genetics, Genomics, and Bioinformatics (GGB) Theme- MSTP/ARISE
2020-2021 Academic Requirements

COURSES	PLANNED	COMPLETED
Module Courses- *Recommended by theme*		
GBS 724- Principles of Human Genetics (January, 2 hours)	MS2 Spring	
GBS 720- Genomic Sciences (February, 2 hours)	MS2 Spring	
GBS 723- Model Systems for Genetic Analyses (March, 2 hours)	MS2 Spring	
GBSC 718- Epigenetics (April, 2 hours)	MS2 Spring	
Theme Required Courses		
GBS 717- Methods and Scientific Logic (2 hours)	GS1 Summer	
GBSC 742.VTD- GGB Student Theme Meeting (1 hour)	Fall & Spring	
GBS Required Courses		
GRD 717- Principles of Scientific Integrity (3 hours)	GS1 Fall	
Grant-writing/Scientific-writing (2 hours) *- Course selected: GBS 716, GBS 725, GBSC 726, GRD 709*		
Biostatistics (3 hours) *-Course selected: GRD 770, BST 611, BST 612, BY 755, PY 716*	GS1 Fall	
Journal Clubs (1 hour) *-Chosen in consultation with mentor*	Fall & Spring	
Three Advanced Courses (3 hours each) *-Chosen in consultation with mentor and thesis committee*		
MSTP/ARISE Required Courses		
MSTP 794- Translational Research Seminar (1 hour) *-MSTP Requirement*	Every semester	
MSTP 795- Continuing Clinical Education (1 hour) *-MSTP Requirement*	Fall & Summer	
Research *-MSTP- MSTP 798: Non-dissertation & MSTP 799: Dissertation* *-ARISE- PSDO 798: Non-dissertation & PSDO 799: Dissertation* *-Student must complete 24 hours total of dissertation research*	Every semester	

Notes:
- Seminars- Recommended to attend, but do not register
- Students must be registered for 9 hours each semester. Any hours over must be approved by the MSTP/ARISE Director.
- Must obtain permission of Thesis Mentor, Theme Director, and MSTP/ARISE Director to register for Career Development courses (e.g., GRD and CIRTL)
- Students must be admitted to candidacy for a minimum of 1 year before the thesis defense

Additional MSTP/ARISE Requirements:
- Submission of F30/F31 **on or before** April of GS2 Year (MSTP Requirement)
- Committee Meetings held every 6 months

Additional Theme Requirements:
- Publications: At least two first authored papers
- Presentations: At least one presentation at a national or international scientific meeting