

MATHEMATICS Major Advising Sheet (2016-17)

Name: _____ ALEKS: _____ Catalog: _____ Completion Date: _____

MAJOR REQUIREMENTS

- 1. MATH 170 Calculus I, 4 credits
- 2. MATH 171 Calculus II, 4 credits
- 3. MATH 150 Linear Algebra, 4 credits
- 4. MATH 233 Calculus III, 4 credits
- 5. MATH 240 Differential Equations, 3 credits
- 6. MATH 245 Geometry, 3 credits
- 7. MATH 265 Transition to Adv Math, 3 credits
- 8. MATH 280 Modern Algebra I, 3 credits
- 9. MATH 281 Modern Algebra II, 3 credits
- 10. MATH 291 Statistical Analysis, 3 credits
- 11. MATH 370 Advanced Calculus, 3 credits
- 12. MATH 400 Topics in Math, 3 credits
- 13. Programming: _____

Programming electives:

- MATH 146 Programming I, 4 credits
- MIS 190 Algorithms, 3 credits

REACH REQUIREMENTS

Students beginning before 2016 may substitute IDST for iMU 101, iMU 102, and BTG 320

- A:** Freshman Year Experience and outREACH
 - iMU 101 Introduction to Mercyhurst, 1 credit
 - iMU 102 Involvement at Mercyhurst, 1 credit
 - COMP 120 Writing and Research, 3 credits
 - BTG 320 Beyond the Gates, 1 credit

Two courses in each category below. Prefixes may not be repeated. MATH or passing placement score required.

- B:** Reason and Faith (6 credits)
CST, PHIL, RLST
 - _____
 - _____
- C:** Expression (6 credits, one must be ENG)
ART, DANC, MUS, THEA, ENG
 - _____
 - _____
- D:** Analytical (7 credits, one must be science w/ lab)
BIO, CHEM, GEOL, MATH, PHYS, SCI
 - _____
 - _____
- E:** Contexts and Systems (6 credits)
ECON, HIS, POLI
 - _____
 - _____
- F:** Humans in Connection (6 credits)
ANTH, PSYC, SOC, WL, All languages
 - _____
 - _____
- G:** Senior Experience
 - ETH-400 CAPSTONE ETHICS

MATHEMATICS Minor Advising Sheet (2016-17)

Name: _____ ALEKS: _____ Catalog: _____ Completion Date: _____

- 1. Math 170 Calculus I, 4 credits
- 2. Math 171 Calculus II, 4 credits
- 3. Math 150 Linear Algebra, 4 credits
- 4. Math 233 Calculus III, 4 credits
- 5. Math 265 Transition to Adv Math, 3 credits
- 6. Elective: _____
- 7. Elective: _____

Electives may be chosen from the following list:

- MATH 146 Programming I, 4 credits
- MIS 190 Algorithms, 3 credits
- MATH 201 Technical Writing with \LaTeX , 3 credits
- MATH 240 Differential Equations, 3 credits
- MATH 245 Geometry, 3 credits
- MATH 280 Modern Algebra I, 3 credits
- MATH 281 Modern Algebra II, 3 credits
- MATH 291 Statistical Analysis, 3 credits
- MATH 370 Advanced Calculus, 3 credits
- MATH 400 Topics in Math, 3 credits
- PHYS 201 General Physics w/ Lab, 4 credits