

INFORMATION TECHNOLOGY Major Advising Sheet (2016-17)

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

MAJOR REQUIREMENTS

REACH REQUIREMENTS

- 1. MATH 146 Programming I, 4 credits
- 2. MIS 140 Computer Operations, 3 credits
- 3. MIS 180 Linux/Operating Systems, 3 credits
- 4. MIS 226 Programming II, 3 credits
- 5. MIS 190 Algorithms, 3 credits
- 6. MIS 260 Networks, 3 credits
- 7. MIS 280 Intro to Internet Programming, 4 credits
- 8. MIS 350 Database Management, 3 credits
- 9. MIS 370 Client Side Programming, 4 credits
- 10. Elective: _____
- 11. Elective: _____
- 12. Elective: _____

Electives may be chosen from the following list:

- MIS 150 Intro to Data Science, 3 credits
- MIS 224 Mobile Application Dev, 3 credits
- MIS 305 Game Programming, 3 credits
- MIS 380 Server Side Programming, 4 credits
- MATH 201 Technical Writing with L^AT_EX, 3 credits
- RIAP 325 Cyber Threat Analysis, 3 credits

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, STAT
 - _____
 - _____

- 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

INFORMATION TECHNOLOGY Minor Advising Sheet (2016-17)

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

- 1. MATH 146 Programming I, 4 credits
- 2. MIS 260 Networks, 3 credits
- 3. MIS 350 Database Management, 3 credits
- 4. Elective: _____
- 5. Elective: _____
- 6. Elective: _____

Electives may be chosen from the following list:

- MIS 140 Computer Operations, 3 credits
- MIS 150 Introduction to Data Science, 3 credits
- MIS 180 Linux/Operating Systems, 3 credits
- MIS 190 Algorithms, 3 credits
- MIS 224 Mobile Application Dev, 3 credits
- MIS 226 Programming II, 3 credits
- MIS 280 Intro to Internet Programming, 4 credits
- MIS 305 Game Programming, 3 credits
- MIS 370 Client Side Programming, 4 credits
- MIS 380 Server Side Programming, 4 credits