BS Combined Major for Computer Science and Philosophy  
DRAFT of 2016-07-12

CS Requirements

10 @ 4 SH = 40 SH  
Total: 45 SH with 1 SH courses

Overview [2 SH]

CS 1200 CS/IS Overview 1 [1 SH]  
CS 1210 CS/IS Overview 2: Co-op Preparation [1 SH]

CS Freshman level required courses [19 SH]

CS 1800 Discrete Structures [4 SH]  
   CS 1801 Recitation for CS 1800 [0 SH]  
CS 2500 Fundamentals of Computer Science 1 [4 SH]  
   CS 2501 Lab for CS 2500 [1 SH]  
CS 2510 Fundamentals of Computer Science 2 [4 SH]  
   CS 2511 Lab for CS 2510 [1 SH]  
CS 2800 Logic and Computation [4 SH]  
   CS 2801 Lab for CS 2800 [1 SH]

CS Upper level required courses [16 SH]

CS 3500 Object-Oriented Design [4 SH]  
CS 3800 Theory of Computation [4 SH]  
CS 4500 Software Development [4 SH]  
CS 4800 Algorithms and Data [4 SH]

CS electives [8 SH]

2 CS electives of 4 SH each.

A CS elective is a 4 SH course that is not already required and that is in the ranges:  
   CS 2500 or higher, except CS 5010  
   IS 2000 or higher, except IS 4900  
   DS 2000 or higher, except DS 4900

Presentation Requirement [1 SH]

THTR 1170 The Eloquent Presenter [1 SH]
Philosophy Requirements

9 @ 4 SH = 36 SH

Philosophy Required Courses [16 SH]

Choose one.
PHIL 1115 Introduction to Logic [4 SH]
PHIL 1215 Symbolic Logic [4 SH]

Choose one.
PHIL 2325 or POLS 2325 Ancient Philosophy and Political Thought [4 SH]
PHIL 2330 Modern Philosophy [4 SH]

PHIL 1145 Technology and Human Values [4 SH]
PHIL 4515 Advanced Logic [4 SH]

Philosophy Intermediate/Advanced Elective [4 SH]

Choose one.
PHIL 3435 Moral Philosophy [4 SH]
PHIL 3436 History of Modern Moral Philosophy [4 SH]
PHIL 4500 Theory of Knowledge [4 SH]
PHIL 4505 Metaphysics [4 SH]
PHIL 4535 Philosophy of Mind [4 SH]

Philosophy Capstone [4 SH]

Choose one.
PHIL 4500 Theory of Knowledge [4 SH]
PHIL 4505 Metaphysics [4 SH]
PHIL 4510 Philosophy of Science [4 SH]
PHIL 4535 Philosophy of Mind [4 SH]
PHIL 4901 Topics in Philosophy Seminar [4 SH]
PHIL 4902 Great Philosophers Seminar [4 SH]
PHIL 5001 Global Justice [4 SH]

Note: You must choose distinct courses to satisfy Intermediate/Advanced Elective and Capstone.

Philosophy Electives [12 SH]

Choose 3 additional 4 SH courses from the PHIL list.
Integrative Courses [No additional credit required]

CS 3800 Theory of Computation [4 SH]
PHIL 4515 Advanced Logic [4 SH]

Note: Per discussion with Kate Ziemer, integrative courses need not require additional credit hours. The two integrative courses above should be viewed as part of the CS and Philosophy requirements.

University Requirements [8 SH]

Writing in the First Year [4 SH]
Choose one: ENGW 1111 or ENGW 1102

Advanced Writing in the Disciplines [4 SH]
Choose one: ENGW 3302 or ENGW 3309 or ENGW 3315

Total of Explicit Requirements

21 @ 4 SH and 6 @ 1 SH = 90 SH

General Electives [11 courses = 44 SH]

Total Credits Required: 133 SH

Note: CCIS intentionally makes the total credits required one less than the sum of the credits to allow for a one credit waiver if needed.
Regarding NU Core 2016

CCIS requirements satisfy
   ND = Engaging with the Natural and Designed World
   FQ = Conducting Formal and Quantitative Reasoning
   AD = Analyzing and Using Data
   WI = Writing Intensive in the Major

Philosophy requirements satisfy
   IC = Interpreting Culture
   SI = Understanding Societies and Institutions
   ER = Employing Ethical Reasoning
   WI = Writing Intensive in the Major
   CE = Demonstrating Thought and Action in a Capstone

University requirements satisfy
   WF = Writing in the First Year
   WD = Advanced Writing in the Disciplines

Some Philosophy elective courses satisfy additional NU Core 2016 categories.

Students must arrange to fulfill the remaining NU Core 2016 requirements by choice of appropriate electives. Coop will satisfy the experiential requirement EX.

Regarding NU Core 2007

CCIS requirements satisfy
   Writing intensive in the major
   Science/Technology Level 1
   Mathematical/analytical thinking Level 1
   Mathematical/analytical thinking Level 2

Philosophy requirements satisfy
   Capstone
   Writing intensive in the major
   Humanities Level 1

University requirements satisfy
   First-year writing
   Advanced writing in the disciplines

Some Philosophy elective courses satisfy additional NU Core 2007 requirements.

Students must arrange to fulfill the remaining NU Core 2007 requirements by choice of appropriate electives. Coop will satisfy the experiential learning requirement.