

# West Chester University

## B.S. in Mathematics - Pure

### Track - through the

### Honors College

### Advisement Sheet

Effective for students entering Fall '17 and later.

*Indicate all the courses you have taken at WCU or transferred for credit. For completed courses, also list the grades. Mark an asterisk (\*) beside courses you are currently taking. Students must have a minimum "C" in each major course*

#### I. MATHAMETICS REQUIRED CORE COURSES (18 s.h.)

MAT 161 \_\_\_\_ (Calculus)  
 MAT 162 \_\_\_\_ (Calculus II)  
 MAT 200 \_\_\_\_ (Nature of Math)  
 MAT 261 \_\_\_\_ (Calculus III)  
 MAT 311 \_\_\_\_ (Linear Algebra)  
 MAT 343 \_\_\_\_ (Diff. Equations)

#### II. REQUIRED COURSES FOR CONCENTRATION (30 s.h.)

##### A. Mathematics Courses (12 s.h.)

MAT 411 \_\_\_\_ (App. Probability)  
 MAT 421 \_\_\_\_ (Math. Statistics I)  
 MAT 441 \_\_\_\_ (Real Analysis I)  
 MAT 445 \_\_\_\_ (Complex Variables)

**B. Mathematic Electives (18 s.h.)**  
**Six courses selected from 300 level or higher mathematics courses with at least one in each area: analysis, applied mathematics and algebra:**

Course	Grade	Title
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

#### III. RELATED COGNATE COURSES (11 s.h.)

ENG 368 \_\_\_\_ (Business WRT) or^  
 ENG 371 \_\_\_\_ (Technical WRT) or^  
 ENG 375 \_\_\_\_ (Workplace WRT)  
 CSC 141 \_\_\_\_ (Computer Science)  
 PHY 170 \_\_\_\_ (Physics I)  
 PHY 180 \_\_\_\_ (Physics II)  
 SPK 230 \_\_\_\_ (Public Speaking)\*

#### NOTES:

^covered in Honors Core

\*SPK 230 fulfilled with HON 211

#### IV. HONORS COLLEGE SEQUENCE for GEN ED (27 s.h.)

HON 100 \_\_\_\_ (Self Awareness)  
 HON 211 \_\_\_\_ (Public Discourse)  
 HON 212 \_\_\_\_ (Ethics & Technology)  
 HON 310 \_\_\_\_ (Community Change)  
 HON 311 \_\_\_\_ (Stewardship & Civic Responsibility)  
 HON 312 \_\_\_\_ (Educational Systems)  
**or**  
 HON 322 \_\_\_\_ (Leadership & ELLs)  
 HON 313 \_\_\_\_ (Public Opinion)  
 HON 314 \_\_\_\_ (Environ. Systems)  
 HON 315 \_\_\_\_ (Community & Arts)  
 MAT \_\_\_\_ x \_\_\_\_ ^  
 SCI \_\_\_\_ x \_\_\_\_ ^

^NOTE: Fulfilled from major requirements.

#### V. ADDITIONAL HONORS COLLEGE REQUIREMENTS (9 s.h.)

A) Two HON seminars at the 320 level or above

HON \_\_\_\_  
 HON \_\_\_\_

B) Capstone Project

HON 490 \_\_\_\_

#### VI. DIRECTED ELECTIVES

Take enough directed electives to complete 120 credits. The actual number of electives required will vary depending upon (among other issues) the number of 3 vs. 4 hour courses taken to fulfill the major requirements.

Course	Grade
_____	_____
_____	_____
_____	_____
_____	_____

**Bring this sheet with you whenever you meet with your advisor about scheduling or course planning!**

(Confirmed Jan. 2017)