

# West Chester University

## B.A. in Mathematics

### through the Honors

### College Advisement Sheet

Effective for students entering Fall '23 and later.

**88- 112 CREDITS**

*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.*

The grade of C- or better is necessary in all required math major courses.

#### I. MATHEMATICS REQUIRED COURSES (30 s.h.)

- MAT161 \_\_\_ (Calculus I)
- MAT162 \_\_\_ (Calculus II)
- MAT200 \_\_\_ (Nature of Math)
- MAT261 \_\_\_ (Calculus III)
- MAT311 \_\_\_ (Linear Algebra)
- MAT411 \_\_\_ (Algebra I)
- MAT421 \_\_\_ (Statistics I)
- MAT441 \_\_\_ (Real Analysis I)
- MAT480 \_\_\_ (Capstone)

#### II. COGNATE COURSES (7 s.h.)

- CSC141 \_\_\_ (Computer Science)
- PHY170 \_\_\_ (Physics I)

#### III. MATHEMATICS ELECTIVES (15 s.h.)

Select at least 5 upper-division (300 level or higher) mathematics courses, one in each of the following areas: algebra elective, analysis elective, applied mathematics elective):

Course	Grade
_____	___
_____	___
_____	___
_____	___
_____	___

#### IV. LANGUAGE/CULTURE REQUIREMENTS (0-15 s.h.)

Demonstrate language proficiency through the intermediate level (202 or higher).

#### V. HONORS COLLEGE CORE SEQUENCE for GEN ED (30 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 \_\_\_ (Leader. With ELLs)
- HON 313 \_\_\_ (Public Opinion)
- HON 314 \_\_\_ (Environ. Systems)
- HON 315 \_\_\_ (Community & Arts)
- SCI \_\_\_\_\_ \*
- MAT \_\_\_ \_x\_\_\_ ^

#### NOTES:

- \*HON122 (Computer Science for Social Justice) recommended
- ^Fulfilled from major requirements

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

- A) Two HON seminars at the 320 level or above (except 322)  
 HON \_\_\_\_\_  
 HON \_\_\_\_\_
- B) Capstone Project^  
 HON 490 \_\_\_\_\_

^NOTE: Enrollment upon core completion: ideally 6<sup>th</sup> or 7<sup>th</sup> semester

#### VII. 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 and the addition of minor(s).

Course	Grade
_____	___
_____	___
_____	___
_____	___

NOTE: A minor or three additional upper-division mathematics electives are required

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

(Revised October 2023)