

**West Chester University
B.S. in Mathematics- Pure
Mathematics
Concentration through the
Honors College
Advisement Sheet**

Effective for students entering Fall '23
and later.

98 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 (36 s.h.)

- MAT161 ___ (Calculus I)
- MAT162 ___ (Calculus II)
- MAT200 ___ (Nature of Math)
- MAT261 ___ (Calculus III)
- MAT311 ___ (Linear Algebra)
- MAT343 ___ (Diff. Equations)
- MAT411 ___ (Algebra I)
- MAT421 ___ (Statistics I)
- MAT441 ___ (Real Analysis I)
- MAT445 ___ (Complex Var.)
- MAT480 ___ (Capstone)

II. COGNATE COURSES (11 s.h.)

- CSC141 ___ (Computer Science)
- ENG371 _x_ (Technical Wrt)*
- PHY170 ___ (Physics I)
- PHY180 ___ (Physics II)
- SPK230 _x_ (Prof. Speaking)**

NOTES:

*Fulfilled from Honors Core

**Fulfilled with HON211

III. MATHEMATICS ELECTIVES (18 s.h.)

Select 6 upper-division (300-level or higher) mathematics courses; at least one from each of the areas: algebra, analysis, applied mathematics.

| Course | Grade |
|--------|-------|
| _____ | ___ |
| _____ | ___ |
| _____ | ___ |
| _____ | ___ |
| _____ | ___ |
| _____ | ___ |

IV. HONORS COLLEGE CORE 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 _____ (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

V. 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 6th or 7th semester

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 and the addition of minor(s).

| Course | Grade |
|--------|-------|
| _____ | ___ |
| _____ | ___ |
| _____ | ___ |
| _____ | ___ |

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

(Revised October 2023)