

Howard Payne University
General Schedule for a B.S. in Mathematics
Non-education major; Even-numbered starting year

Freshman Fall	Freshman Spring
GEN 1101 University Seminar (1) BIB 1303 Intro. Old Testament (3) ENG 1311 English Composition I (3) CIS 1339 Intro. to Information Technology (3) MAT 2347 Discrete Mathematics (3) MAT 2451 Calculus I (4) KIN 1100 Principles of Personal Fitness (1) 18 hrs	BIB 1304 Intro. New Testament (3) ENG 1312 English Composition II (3) Life or Physical Science course with lab (4) MAT 2461 Calculus II (4) COM 1310 Fund. Human Communication (3) 17 hrs
Sophomore Fall	Sophomore Spring
ENG 2351, 53, or 73 English Literature (3) Physical or Life Science (4) History course (HIS 1310 recommended) (3) MAT 3361 Calculus III (3) MAT 3302 Linear Algebra (3) KIN course (Class A) (1) 17 hrs	GOV 2311 American Government (3) MAT 3451 Differential Equations (4) MAT 3311 Abstract Algebra (3) CIS 1359 Programming Logic (3) KIN Course (Class A or B) (1) 14 hrs
Junior Fall	Junior Spring
MAT 4361 Complex Analysis (3) Fine Arts course (3) Electives (12) 12-15 hrs	MAT 3322 Geometry (3) Psychology or Sociology course (3) CIS Prog. course (beyond CIS 1359) or MAT 4371 Intro. to Numerical Analysis (3) Electives (5) 14 hrs
Senior Fall	Senior Spring
GEN 4100 Senior Seminar (1) Electives (15) 16 hrs	MAT 4441 Applied Probability & Statistics (4) Electives (11) 15 hrs

123–126 hrs

BIB: Biblical Studies

COM: Communications

GEN: General Education

GOV: Government

BIO: Biology

ENG: English

HIS: History

EDU: Education

CIS: Computer Information Systems

KIN: Kinesiology

MAT: Mathematics

Howard Payne University
General Schedule for a B.S. in Mathematics
Secondary-education major; Even-numbered starting year

Freshman Fall	Freshman Spring
GEN 1101 University Seminar (1) BIB 1303 Intro. Old Testament (3) ENG 1311 English Composition I (3) CIS 1339 Intro. to Information Technology (3) MAT 2347 Discrete Mathematics (3) MAT 2451 Calculus I (4) KIN 1100 Principles of Personal Fitness (1) 18 hrs	BIB 1304 Intro. New Testament (3) ENG 1312 English Composition II (3) Life or Physical Science course with lab (4) MAT 2461 Calculus II (4) COM 1310 Fund. Human Communication (3) 17 hrs
Sophomore Fall	Sophomore Spring
ENG 2351, 53, or 73 English Literature (3) HIS 1310 U.S. History to 1877 (3) CIS 1359 Programming Logic (3) MAT 3361 Calculus III (3) MAT 3302 Matrix & Linear Algebra (3) KIN course (Class A) (1) 16 hrs	HIS 1320 U.S. History Since 1877 (3) MAT 4341 Probability and Statistics (3) MAT 3451 Differential Equations (4) MAT 4351 Real Analysis (3) (or MAT 4361 Complex Analysis in the next Fall) KIN course (Class A or B) (1) 11-14 hrs
Junior Fall	Junior Spring
EDU 3300 Philosophical Foundations (3) EDU 3301 Teaching & Learning I (3) GOV 2311 American Government (3) Fine Arts Course (3) MAT 4361 Complex Analysis (or MAT 4351 Real Analysis in the prior Spring) (3) 12-15 hrs	EDU 3302 Teaching & Learning II (3) REA 4346 Literacy Instruction Content in Area (3) GOV 2340 Social Studies of Texas (3) MAT 3322 Geometry (3) MAT 3302 Abstract Algebra (3) Elective (1) 16 hrs
Senior Fall	Senior Spring
GEN 4100 Senior Seminar (1) EDU 4302 Secondary Methods (3) EDU 4100 TExES Review (1) MAT 3481 Math for Secondary Teachers (4) MAT 4000 TExES Review for Sec. Teach. (0) CIS Prog. course (beyond CIS 1359) or MAT 4371 Numerical Analysis (3) Electives (3) 15 hrs	EDU 4375 Educational Technology Appl. (3) EDU 4890 Clinical Teaching in Sec. Schools (8) 11 hrs

116-123 hrs

BIB: Biblical Studies

COM: Communications

GEN: General Education

GOV: Government

BIO: Biology

ENG: English

HIS: History

EDU: Education

CIS: Computer Information Systems

KIN: Kinesiology

MAT: Mathematics

Mathematics (BA, BS)

First Semester	Second Semester
2445 Accelerated Precalculus OR 451 Calculus I	451 Calculus I OR 461 Calculus II
2347 Discrete Math	303 Introduction to Old Testament
311 English Composition I	312 English Composition II
39 Intro. to Information Technology	310 Fund. of Human Comm.
Physical Science course from approved list of general education science courses.	Physical Science course from approved list of general education science courses.
100 Prin of Personal Fit and Well	urse (Class A or B)
101 University Seminar	

*If students come to HPU with credit for MAT 1351 (College Algebra) and MAT 2345 (Precalculus) they will start with Calculus I. If not, students should take MAT 2445. Those who do not meet the prerequisites for MAT 2445 must take MAT 1351 and MAT 2345 before taking Calculus I.

** MAT 2347 requires MAT 1351 as a pre-requisite. If they concurrently enroll in MAT 2445 or MAT 2451, they may take MAT 2347.