

BS in Mathematics Flow Chart and Suggested Course Sequence [Even year start]

See <http://spu.edu/academics/college-of-arts-sciences/mathematics> for more details. **Please contact Math advisor.**

Freshman

Autumn

Winter

Spring

Math 1234
Calculus I
5 cr

Math 1235
Calculus II
5 cr

Math 1236
Calculus III
5 cr

Math 2360
Intro Stats
5 cr

Taken in the first two years, but before MAT 3360

Sophomore

In some order (offered A/W, W/S, A/S)

MAT 3237
Diff Eqns
3 cr

MAT 3238
Vector Calc
3 cr

MAT 2401
Linear Alg
3 cr

MAT 3360
Prob/Stats
5 cr

MAT 2720
Discrete
3 cr

Junior

MAT 3100
Intro Proof
1 cr

MAT 3749
Intr Analysis
5 cr

MAT 3442
Geometry
4 cr

MAT 3724
Ap Analysis
3 cr

MAT 4830
Math Model
5 cr*

MAT 4402
Mod Alg I
3 cr

*MAT 4363 and MAT 4830 are strongly suggested as two UD electives. Also need 15cr in related approved courses in which math is applied.

MAT 4363
Math Stats
3 cr*

MAT 4403
Mod Alg II
3 cr

!All BS Math Majors: 18 approved UD electives also required! (72 total cred. {39 UD} [3cr max in MAT 4930]) -- See web site for all courses offered

MAT 4899
Capstone
3 cr

MAT 3401
Theory
3 cr

MAT 3751
Analysis II
3 cr

MAT 4725
Nu Analysis
5 cr

MAT 3333
Stat Model
3 cr

MAT 3730
Complex
3 cr

Senior

Autumn

Winter

Spring

Every year

Alternate years

Changes quarter in alt. years