

Mathematics B.S. Degree Check Sheet

Course Number	Course Name	Prerequisites	Semesters Offered	≥ C
MATH 2413/2113	Calculus I / Lab	1314 or 1316	Fall, Spring, Summer	<input type="checkbox"/>
MATH 2414/2114	Calculus II / Lab	2413	Fall, Spring, Summer	<input type="checkbox"/>
MATH 3404/3104	Multivariate Calculus / Lab	2414	Fall, Spring	<input type="checkbox"/>
MATH 3305	Ordinary Differential Equations	2414	Fall, Spring	<input type="checkbox"/>
MATH 3380	Algorithms in Applied Mathematics	2414	Spring	<input type="checkbox"/>
MATH 3425	Foundations of Mathematics	2414	Fall, Spring	<input type="checkbox"/>
MATH 3315	Linear Algebra and Matrix Theory	2414, 3425	Fall	<input type="checkbox"/>
MATH 3336	Abstract Algebra I	3425	Spring	<input type="checkbox"/>
MATH 3345	Analysis I	3425	Fall	<input type="checkbox"/>
MATH 3373	Applied Math I	3305, 3315, 3425	Spring	<input type="checkbox"/>
MATH 4350	Probability Theory	3425	Fall	<input type="checkbox"/>
MATH 4160	Senior Seminar I	Must be taken in final year.	Fall, Spring	<input type="checkbox"/>
MATH 4161	Senior Seminar II	4160	Fall, Spring	<input type="checkbox"/>

In addition, you must take *three courses* from the following. One must be from the first block of three courses, one must be from the last block of three courses.

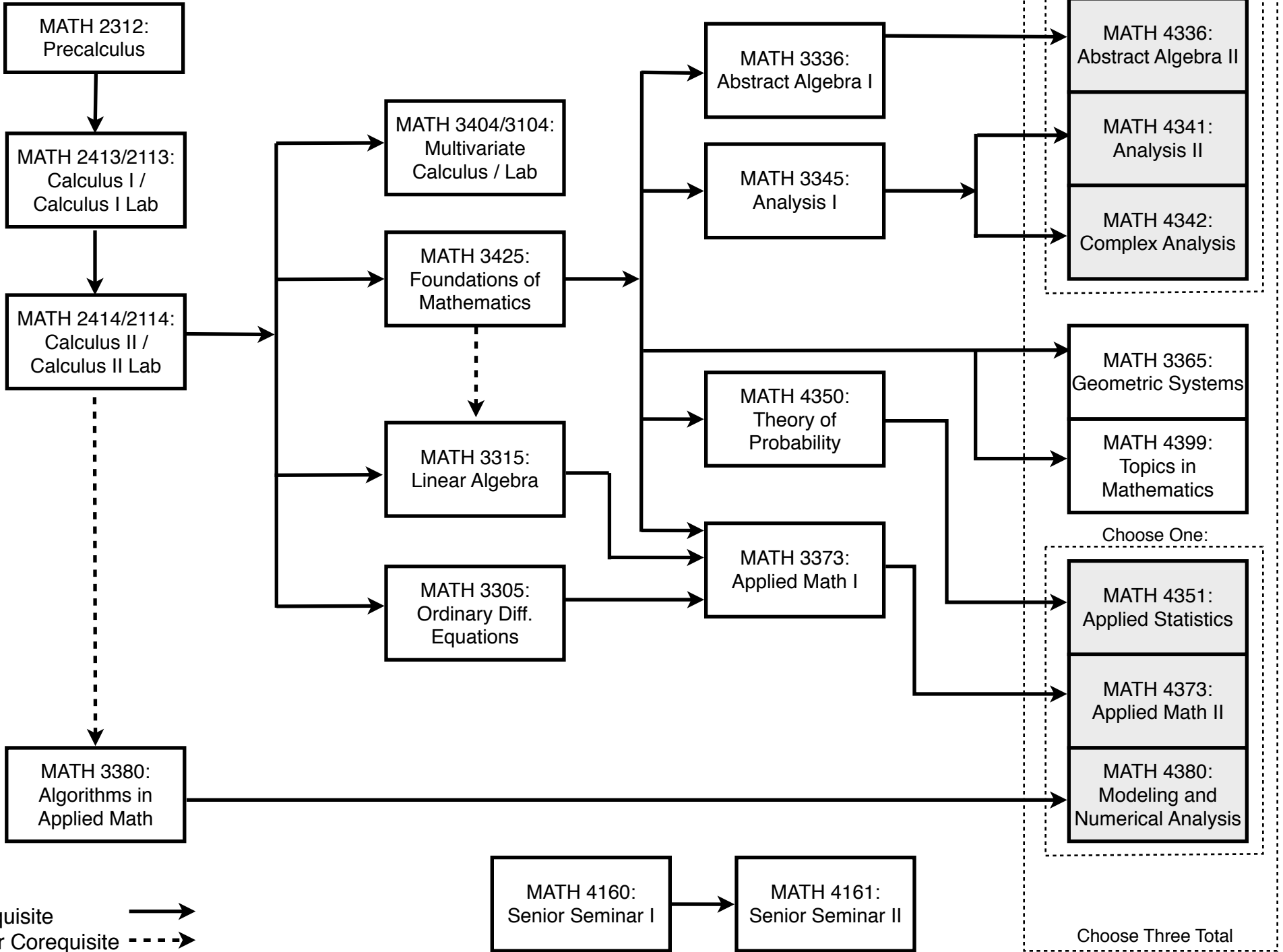
Course Number	Course Name	Prerequisites	Semesters Offered	C or Better
MATH 4336	Abstract Algebra II	3336	Fall	<input type="checkbox"/>
MATH 4341	Analysis II	3345	Spring (odd)	<input type="checkbox"/>
MATH 4342	Introduction to Complex Analysis	3345	Spring (even)	<input type="checkbox"/>
MATH 3365	Geometric Systems	3425	Spring	<input type="checkbox"/>
MATH 4399	Topics in Mathematics	3425, Perm. of Instr.	Periodically	<input type="checkbox"/>
MATH 4351	Applied Statistics	4350	Spring	<input type="checkbox"/>
MATH 4373	Applied Math II	3373	Fall (odd)	<input type="checkbox"/>
MATH 4380	Modeling and Numerical Analysis	3380	Fall (even)	<input type="checkbox"/>

All students must declare a minor. Please speak with your advisor.

Note: Summer courses must meet a minimum enrollment (10 students) in order to be offered.

Mathematics BS Flowchart

(If needed for preparation)



Math Major Core Curriculum Check Sheet

Discipline	Choose From	Hours Required	C or Better
English	ENGL 1301, ENGL 1302	6	<input type="checkbox"/>
World/European Literature	ENGL 2322, ENGL 2323, ENGL 2362, ENGL 2363	3	<input type="checkbox"/>
Humanities	PHIL 1301, PHIL 2306, ENGL 2310, ENGL 2350, ENGL 2322, ENGL 2323, ENGL 2362, ENGL 2363, SPCM 1315	3	<input type="checkbox"/>
Social and Behavioral Sciences	ANTH 2346, ECON 1301, ECON 2301, ECON 2302, GEOG 1313, HIST 2321, HIST 2322, JOUR 2307, PSYC 1301, PSYC 1349, SOCI 1301, SOCI 1306	3	<input type="checkbox"/>
Arts	ART 1301, ART 2303, ART 2304, MUSI 1306, THTR 1301, THTR 1356	3	<input type="checkbox"/>
History	HIST 1301, HIST 1302	6	<input type="checkbox"/>
Government	POLS 2305, POLS 2306	6	<input type="checkbox"/>
Lab Science	CHEM 1311/1111, CHEM 1312/1112, PHYS 2325/2125, PHYS 2326/2126, BIOL 1306/1106, BIOL 1307/1107	8	<input type="checkbox"/>
Mathematics	MATH 2413, MATH 2414	6	<input type="checkbox"/>

Core Curriculum Notes:

- (1) Students transferring to UT Tyler as “core complete” do not have to satisfy the core curriculum requirements.
- (2) In the Mathematics category, there are several other options for students who are not math majors (such as college algebra, statistics, trigonometry, etc), but **math majors must take MATH 2413 and MATH 2414.**
- (3) Students planning to focus on applied mathematics are encouraged to take PHYS 2325/2125; PHYS 2326/2126 for their Lab Science.