

Thomas Harriot College of Arts and Sciences

B.A. in Mathematics

Statistics Concentration

All Math and Computer Science courses must be completed with a grade of C or better.

Please note that this is a **recommended** sequence.

Check catalog for prerequisites.

Course availability may vary from semester to semester.

FRESHMAN YEAR

Fall Semester		Spring Semester	
ENGL 1100	3	ENGL 1200	3
EXSS 1000	1	Foreign Language	3
Foreign Language	3	HLTH 1000	2
Humanities/Fine Arts	3	MATH 2171	4
MATH 1085*	5	Social Science	3
	<u>15</u>		<u>15</u>

SOPHOMORE YEAR

CSCI 2310/2311	4	Foreign Language	3
Foreign Language	3	Humanities/Fine Arts	2
MATH 2172	4	MATH 2173	4
Science with Lab	3,1	Natural Science	4
Social Science	3	MATH 2300	3
	<u>18</u>		<u>16</u>

JUNIOR YEAR

Statistics Concentration	3	Elective	6
Humanities/Fine Arts	3	Humanities/Fine Arts	2
MATH 3256	3	MATH 3263	3
MATH 3307	3	Statistics Concentration	6
Social Science	3	Social Science	3
	<u>15</u>		<u>17</u>

SENIOR YEAR

Elective	3	Statistics Concentration	9
MATH 4101	3	MATH 4331**	3
Statistics Concentration	9	Elective	3
	<u>15</u>		<u>15</u>

*Precalculus MATH 1085 is not required for the B.A. in Mathematics; start with Calculus MATH 2171 if your background meets the approval of the Mathematics Department.

**MATH 4331 may be taken anytime during the last 4 semesters. Those interested in applied mathematics (or engineering) should take MATH 4331 immediately after taking MATH 2173.

Revised: May 2008

Thomas Harriot College of Arts and Sciences

B.A. in Mathematics

Math

Concentration

All Math and Computer Science courses must be completed with a grade of C or better.

Please note that this is a **recommended** sequence.

Check catalog for prerequisites.

Course availability may vary from semester to semester.

FRESHMAN YEAR

Fall Semester		Spring Semester	
ENGL 1100	3	ENGL 1200	3
EXSS 1000	1	Foreign Language	3
Foreign Language	3	HLTH 1000	2
Humanities/Fine Arts	3	MATH 2171	4
MATH 1085*	5	Social Science	3
	<hr/>		<hr/>
	15		15

SOPHOMORE YEAR

CSCI 2310/2311	4	Foreign Language	3
Foreign Language	3	Humanities/Fine Arts	2
MATH 2172	4	MATH 2173	4
Science with Lab	3,1	Natural Science	4
Social Science	3	MATH 2300	3
	<hr/>		<hr/>
	18		16

JUNIOR YEAR

Minor	3	Minor	3
Humanities/Fine Arts	3	Humanities/Fine Arts	2
MATH 3256	3	MATH 3263	3
MATH 3307	3	Math Concentration	3
Social Science	3	Social Science	3
	<hr/>	Elective	3
	15		<hr/>
			17

SENIOR YEAR

Math Concentration	3	Elective	3
MATH 4101	3	MATH 4331**	3
Minor	9	Minor	9
	<hr/>		<hr/>
	15		15

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**MATH 4331 may be taken anytime during the last 4 semesters. Those interested in applied mathematics (or engineering) should take MATH 4331 immediately after taking MATH 2173.

Revised: May 2008

Thomas Harriot College of Arts and Sciences

B.S. in Mathematics Mathematics Concentration/Minor

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Please note that this is a **recommended** sequence.

Check catalog for prerequisites.

Course availability may vary from semester to semester.

FRESHMAN YEAR

Fall Semester		Spring Semester	
ENGL 1100	3	ENGL 1200	3
EXSS 1000	1	Humanities/Fine Arts	3
Social Science	3	HLTH 1000	2
Humanities/Fine Arts	3	MATH 2171	4
MATH 1083/1085 *	5	Social Science	3
	<u>15</u>		<u>15</u>

SOPHOMORE YEAR

CSCI 2310/2311	4	Math 2300	3
Humanities/Fine Arts	2	Social Science	3
MATH 2172	4	MATH 2173	4
Science with Lab	3,1	Science	4
Social Science	3	Minor	3
	<u>17</u>		<u>17</u>

JUNIOR YEAR

Minor	6	MATH 3263	3
Humanities/Fine Arts	3	MATH 3308	3
MATH 3256	3	Minor	9
MATH 3307	3		<u>15</u>
Elective	3		
	<u>18</u>		

SENIOR YEAR

Math elective	3	Math elective	3
MATH 4101	3	MATH 4331**	3
Minor	3	Minor	3
MATH 4110	3	Math Elective	3
Elective	3	Elective	3
	<u>15</u>		<u>15</u>

Precalculus MATH 1083/1085 is not required for the B.S. in Mathematics: start with Calculus MATH 2171 if your background meets the approval of the Mathematics Department.

Thomas Harriot College of Arts and Sciences

B.S. in Mathematics

Stats Concentration

All Math and Computer Science courses must be completed with a grade of C or better.

Please note that this is a **recommended** sequence.

Check catalog for prerequisites.

Course availability may vary from semester to semester.

FRESHMAN YEAR

Fall Semester		Spring Semester	
ENGL 1100	3	ENGL 1200	3
EXSS 1000	1	Humanities/Fine Arts	3
Social Science	3	HLTH 1000	2
Humanities/Fine Arts	3	MATH 2171	4
MATH 1083/1085	3/5	Social Science	3
	<hr/>		<hr/>
	13/15		15

SOPHOMORE YEAR

CSCI 2310/2311	4	MATH 2300	3
ENGL 3880	3	Social Science	3
MATH 2172	4	MATH 2173	4
Science/lab	3/1	PHIL 2274	3
Social Science	3	MATH 3307	3
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	18		16

JUNIOR YEAR

Science	4	Math 4031	3
Humanities/Fine Arts	3	Humanities/Fine Arts	2
MATH 3256	3	MATH 3263	3
MATH 3308	3	Math 4201 or 5000	3
Math 4801	3	Math Elective	3
Elective	3	Elective	2
	<hr/>		<hr/>
	16		16

SENIOR YEAR

Elective	3	MATH 4774	3
MATH 4101	3	MATH 4331	3
Elective	3	Math 4999	3
Math Elective	3	Math Elective	3
Electives	4	Elective	4
	<hr/>		<hr/>
	16		16

Precalculus MATH 1085 is not required for the B.A. in Mathematics: start with Calculus MATH 2171 if your background meets the approval of the Mathematics Department.

Revised:

May-08

Thomas Harriot College of Arts and Sciences

B.S. in Mathematics

Computer Science Concentration

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Please note that this is a **recommended** sequence.

Check catalog for prerequisites.

Course availability may vary from semester to semester.

FRESHMAN YEAR

Fall Semester		Spring Semester	
ENGL 1100	3	ENGL 1200	3
EXSS 1000	1	CSCI 2300	3
Social Science	3	HLTH 1000	2
Humanities/Fine Arts	3	MATH 2171	4
MATH 1083/1085	5	Social Science	3
	<u>15</u>		<u>15</u>

SOPHOMORE YEAR

CSCI 2310 or 2311	3	MATH 2300	3
Humanities/Fine Arts	2	Social Science	3
MATH 2172	4	MATH 2173	4
Science with Lab	3,1	CSCI 3300	3
Social Science	3	Humanities/Fine Arts	3
	<u>16</u>		<u>16</u>

JUNIOR YEAR

Specified Elective	3	CSCI 3650	3
Humanities/Fine Arts	2	Specified Elective	3
MATH 3256	3	MATH 3263	3
MATH 3307	3	MATH 3308	3
CSCI 3310	3	Elective	3
	<u>16</u>		<u>15</u>

SENIOR YEAR

Math Elective	3	Elective	3
MATH 4101	3	MATH 4331	3
CSCI 3526/3675/Math 4110	3	Specified Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	<u>15</u>		<u>15</u>

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Revised: April 2006

Thomas Harriot College of Arts and Sciences

B.S. in Mathematics

Science Concentration

All Math and Computer Science courses must be completed with a grade of C or better.

Please note that this is a **recommended** sequence.

Check catalog for prerequisites.

Course availability may vary from semester to semester.

FRESHMAN YEAR

Fall Semester		Spring Semester	
ENGL 1100	3	ENGL 1200	3
EXSS 1000	1	Chem 1150/1151	4
Social Science	3	HLTH 1000	2
Humanities/Fine Arts	3	MATH 2171	4
MATH 1083/1085 *	5	Social Science	3
	<u>15</u>		<u>16</u>

SOPHOMORE YEAR

CSCI 2310/2311	4	MATH 2300	3
Humanities/Fine Arts	2	Social Science	3
MATH 2172	4	MATH 2173	4
Chem 1160, 1161	3,1	PHYS 2350	4
Social Science	3	Math Concentration	3
	<u>17</u>		<u>17</u>

JUNIOR YEAR

PHYS 2360	4	Science Elective	3
Humanities/Fine Arts	3	Humanities/Fine Arts	2
MATH 3256	3	MATH 3263	3
MATH 3307	3	Math 3308	6
Elective	3	Elective	3
	<u>16</u>		<u>17</u>

SENIOR YEAR

Science Elective	3	Science Elective	3
MATH 4101	3	MATH 4331	3
MATH 4110	3	MATH Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	<u>15</u>		<u>15</u>

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Revised: May-08