

Foundational Courses	Option Requirements	Supporting Courses	General Education Requirements
(30-31 credits total)	(33 credits total)	(17-18 credits total)	(39 credits total)
<ul style="list-style-type: none"> <input type="checkbox"/> MATH 140 (4) <input type="checkbox"/> MATH 141 (4) <input type="checkbox"/> MATH 220 (2) <input type="checkbox"/> MATH 230 (4) <input type="checkbox"/> MATH 250 (3) or 251 (4) <input type="checkbox"/> MATH 311W (3) <input type="checkbox"/> MATH 312 (3) <input type="checkbox"/> CMPSC 101 or 131 or 201 (3) <input type="checkbox"/> STAT 200 (4) 	<ul style="list-style-type: none"> <input type="checkbox"/> MATH 403 (3) <input type="checkbox"/> MATH 412 (3) <input type="checkbox"/> MATH/STAT 414 (3) <input type="checkbox"/> MATH/STAT 415 (3) <input type="checkbox"/> MATH 436 (3) <input type="checkbox"/> MATH 450 (3) <input type="checkbox"/> MATH 455 (3) <p>Choose 12 Credits from the following:</p> <ul style="list-style-type: none"> <input type="checkbox"/> MATH 411 (3) <input type="checkbox"/> MATH 416 (3) <input type="checkbox"/> MATH 417 (3) <input type="checkbox"/> MATH 419 (3) <input type="checkbox"/> MATH 421 (3) <input type="checkbox"/> MATH 456 (3) <input type="checkbox"/> MATH 461 (3) <input type="checkbox"/> MATH 467 (3) <input type="checkbox"/> MATH 468 (3) <input type="checkbox"/> MATH 479 (3) <input type="checkbox"/> MATH 484 (3) <input type="checkbox"/> MATH 485 (3) <input type="checkbox"/> MATH 486 (3) 	<ul style="list-style-type: none"> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <p>*Bold type indicates that courses require a grade of C or better.</p>	<p><u>Writing/Speaking Skills</u> (GWS) (9 credits)</p> <ul style="list-style-type: none"> <input type="checkbox"/> ENGL 15 or 30 (3) <input type="checkbox"/> ENGL 202 (3) <input type="checkbox"/> CAS 100 (3) <p><u>Arts</u> (GA) (6 credits)</p> <ul style="list-style-type: none"> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <p><u>Humanities</u> (GH) (6 credits)</p> <ul style="list-style-type: none"> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <p><u>Social and Behavior Sciences</u> (GS) (6 credits)</p> <ul style="list-style-type: none"> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <p><u>Natural Science</u> (GN) (9 credits)</p> <ul style="list-style-type: none"> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <p><u>Health and</u> (GHW) (3 credits)</p> <ul style="list-style-type: none"> <input type="checkbox"/> _____ <input type="checkbox"/> _____
<p>Applied and Industrial Option</p> <p>The goal of this option is to train students in the area of applied and industrial mathematics. This option will prepare students to use mathematics to solve problems arising in industry and will also prepare students for graduate study in applied mathematics. The main mathematical tools needed are analysis, differential equations, numerical analysis and computing, probability and statistics, matrix theory, and mathematical modeling.</p>			<ul style="list-style-type: none"> <input type="checkbox"/> United States Cultures (US) <input type="checkbox"/> International Cultures (IL) <input type="checkbox"/> First Year Seminar