MAS: Mathematics:
Algebraic Structures
Courses

MAS 3105   Linear Algebra
3 sh (may not be repeated for credit)
Prerequisite: MAC 2312

MAS 3905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAS 4156   Vector Analysis
3 sh (may not be repeated for credit)
Prerequisite: MAC 2313
Vector algebra and calculus; line, surface and volume integrals, theorems of Green, Gauss and Stokes. Meets Gordon Rule Theoretical Mathematics Requirement.

MAS 4203   Number Theory
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202

MAS 4301   Abstract Algebra
3 sh (may not be repeated for credit)
Prerequisite: MHF 3202

MAS 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAS 5145   Matrix Theory
3 sh (may not be repeated for credit)
Canonical forms of matrices, similarity, quadratic forms.

MAS 5905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

MAS 6329   Topics in Applied Algebra
3 sh (may not be repeated for credit)
This course is intended to apply the fundamental concepts of abstract algebra to various branches of mathematics, including number theory, combinatorics, and geometry. There will be an emphasis on graph theory, design theory, and coding theory applications.

MAS 6905   Directed Study
1-12 sh (may be repeated indefinitely for credit)