BS Math
Rule of Thumb Counting: 46 hours of Math – at least 14 classes
Pacing – 6 Math classes in first two years, 8 Math classes in next two years

6 Specific Math classes: (22 required hours)
Math 10524 – Calc I - take in first year
Math 20524 – Calc II - take in first year
Math 20123 – Discrete Math – take in first year
Math 30524 – Calc III – take in sophomore year
Math 30224 – Linear Algebra – take in sophomore year or fall of junior year***
Math 30053 – Introduction to Mathematical Proof – *sophomore year, Spring Only

CHOICE OF ONE of TWO Math Upper Division Tracks (24 Hours of Math)
TRACK 1:
3 Specific Classes: (9 Hours)
Math 30803 – Probability – Fall Only
Math 50253 – Abstract Algebra – Spring Only
Math 50503 – Real Analysis – Fall Only

5 Upper Division Electives in Math (15 Hours)
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TRACK 2:
2 Specific Classes: (6 Hours)
Math 30613 – Differential Equations*** Take early – sophomore year
Math 30853 – Statistics

4 Upper Division Math classes from a predetermined list (12 hours)
INCLUDING at least one of Math 40223 (Springs 19, 21) or Math 40663 (Spring 20)
List: Math 30803 (Probability), Math 40103 (Graph Theory), Math 40223 (Applied Linear Algebra), Math 40553 (Modern Fourier Analysis), Math 40633 (Game Theory), Math 40663 (Numerical Analysis), Math 50403 (Complex Analysis), Math 50503 (Real Analysis), Math 50613 (Partial Differential Equations), Math 50623 (Applied Mathematics I)

2 Upper Division Electives in Math (6 Hours)
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3 – Associated Requirements
COSC 10403 or 10503
Two of PHYS 20474, PHYS 20484, ECON 40313, COSC 20203

IMPORTANT NOTES:
- BS Students should complete COSC requirement in first two years.
- BS Goal – take Math 30053 in Sophomore Spring
- PLAN CAREFULLY for Timing of Linear Algebra = Prereq for Math 40223 or Differential Equations = Prereq Math 40663.
- ECON 10223 and ECON 10233 recommended SSC – Prereqs for ECON 40313