The BIS area of concentration in Informatics requires 24 hours of coursework which includes 12 hours of upper division courses.

**Required Courses**
(All students must take the following courses)

- CPI 101: Introduction to Informatics (3) (CS designation pending)
- CSE 110: Principles of Programming with Java (3) (CS)
- CPI 200: Mathematical Foundations of Informatics (3) (MA designation pending)
- CPI 410: Information and Data Management (3)
- CPI 460: Informatics and Decision Making (3)
- STP 226: Elements of Statistics (3) *
- CPI 490: Capstone Project (3)

*Please consult an SCI advisor about alternate statistics courses

**Elective Courses**
(Students must select one from the following list)*

- CPI 400/470: Scientific Computing and Visualization (3)/Application of Modeling and Visualization (1)
- CPI 420: Technology and Society (3)
- CPI 430: Social Simulation (3)

*Certain departments may offer courses which could satisfy this elective requirement. Please consult with an SCI advisor for approvals. Call 965-3199 for SCI Advising Center.
NOTE: Grade of C (2.00) or better required. Minimum 12 upper division hours required.

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NEEDS: 24.0 HOURS 2 SUB-GROUPS

1) CORE - 21 hours
   Please consult an SCI advisor about alternate statistics courses.
   NEEDS: 21.0 HOURS
   COURSE LIST: CPI 101  CPI 200  CPI 410  CPI 460  CPI 490  CSE 110  STP 226

2) ELECTIVES - 3 hours
   Please consult with an SCI advisor for a list of other approved courses.
   NOTE: CPI 470 can taken together with CPI 400.
   NEEDS: 3.0 HOURS
   COURSE LIST: CPI 400  CPI 420  CPI 430