Transfer to Mathematics

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- **Mathematics** Abstract way of thinking that mathematics offers
- **Mathematical and Scientific Computation.** Interaction between mathematics and computers
- **Applied Mathematics.** Applications of mathematics to engineering and other applied sciences
Two Plans

- **a) The General Mathematics**  For students who intend to continue to study mathematics in graduate school
- **b) The Secondary Teaching**

**SINGLE SUBJECT MATH PROGRAM (SSMP)**  Applicants for a California Preliminary Single Subject Teaching Credential in Mathematics must verify their "subject matter competence" to teach mathematics in one of two ways:

- Complete a CA-approved "subject matter program" and obtain verification of completion from the university with the approved program.
- Achieve a passing score on the three part California Subject Matter Examination for Teachers (CSET).
Mathematical and Scientific Computation Interaction between mathematics and computers. Two different emphases in this major.

a) The Computational and Mathematical Emphasis is for students who prefer connections to computer science,

b) Computational and Mathematical Biology Emphasis is for those with interests in mathematical and computational biology.

Both emphases require some courses outside the Department of Mathematics.
- **Applied Mathematics** Applications of mathematics to engineering and other applied sciences
- It requires one upper division course outside the Department of Mathematics.
University vs Community College

- Fast moving
- Less class time/more personal responsibility
- Competition
- More resources: Availability of diverse courses; consider double major, a minor, or auditing courses; build the future professional/personal/social network.
Working successfully in University

- Studying to learn/getting grades
- Forming study groups
- Going to office hours contacting with your professors, TA.
- Attending Seminars
- Seeing your adviser at least once a quarter, have a study plan.
- Planning what would you do after graduation
Working successfully in University

- Seeing an adviser in the college/ know the requirements for graduation
- Knowing about other resources on campus: Math Club, other student organizations
- If things do not work as they supposed to work, get help immediately Academic: Talking to your adviser; TA; professor... Personal: Counseling center, CAPS (north Hall), (530) 752-0871
- Enjoy your time your learning, have a hobby, outdoor adventures, experimental college, student organizations...
Interdependency of courses

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Courses to take Fall Quarter

- Have your college courses with UC equivalent courses on your paper.
- First take the lower division courses if you needed.
- Fill in the form and show it to me.
- Consider the interdependency of the courses