ATH 34  Softball Skills Development  
0.5 – 3 units; 1 – 6 hours Laboratory  
Repeatability: May be taken a total of 4 times.  
Provides off season skills development and conditioning for women’s intercollegiate softball.  
Transfer Credit: Transfers to CSU; UC, with limits: Any or all ATH & KIN activity courses combined: maximum credit-4 units.

ATH 35  Volleyball Skills Development  
0.5 – 3 units; 1 – 6 hours Laboratory  
Repeatability: May be taken a total of 4 times.  
Provides off season skills development and conditioning for intercollegiate volleyball.  
Transfer Credit: Transfers to CSU; UC, with limits: Any or all ATH & KIN activity courses combined: maximum credit-4 units.

ATH 36  Water Polo Skills Development  
0.5 – 3 units; 1 – 6 hours Laboratory  
Repeatability: May be taken a total of 4 times.  
Provides off season skills development and conditioning for intercollegiate water polo.  
Transfer Credit: Transfers to CSU; UC, with limits: Any or all ATH & KIN activity courses combined: maximum credit-4 units.

ATH 38  Swimming Skills Development  
0.5 – 3 units; 1 – 6 hours Laboratory  
Repeatability: May be taken a total of 4 times.  
Provides off season skills development and conditioning for intercollegiate swimming and diving.  
Transfer Credit: Transfers to CSU; UC, with limits: Any or all ATH & KIN activity courses combined: maximum credit-4 units.

ATH 39  Tennis Skills Development  
0.5 – 3 units; 1 – 6 hours Laboratory  
Repeatability: May be taken a total of 4 times.  
Provides off season skills development and conditioning for intercollegiate tennis.  
Transfer Credit: Transfers to CSU; UC, with limits: Any or all ATH & KIN activity courses combined: maximum credit-4 units.

BILINGUAL/BICULTURAL STUDIES  
Business, English, and Language Arts Division  
James Weckler, Division Dean  
Francisco Iñiguez, Department Chair, (831) 479-6407  
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Aptos Counseling: (831) 479-6274 for appointment  
Watsonville Counseling: (831) 786-4734  
http://www.cabrillo.edu/programs

Bilingual/Bicultural Studies A.A. Degree  
The Bilingual Bicultural Studies program will give you a foundation for understanding issues concerning linguistic and ethnic diversity in whatever career you choose, whether it is teaching, law, sociology, history, anthropology, politics, linguistics, ethnic studies, or many more. You will become bilingual and biliterate in Spanish, preparing you for a global economy where the ability to communicate with individuals of diverse communities is a great advantage.  
For the BBS core requirement, students take BBS 32 and SPAN 1-4 or SPAN 16 and 17 plus two other courses from SPAN 5A-30B. Students may also meet the language requirement through a skills assessment. Students fulfilling the language requirement either partially or completely through equivalency may substitute classes from the list of approved electives for the Spanish courses. In addition to BBS 32 and the Spanish courses, students take 1-5 units of BBS approved electives to complete at least 20 units.  
The program listed below is a pattern of courses leading to an Associate in Arts Degree only. Students who plan to transfer should select as many electives as possible that meet the lower division requirements of the major they plan to pursue.

Learning Outcomes  
1. Read, write, and speak Spanish at a professional level.  
2. Communicate and apply an understanding of the history and contributions of non-majority linguistic and ethnic communities in our nation, and the value of linguistic and cultural diversity, to a variety of contexts.  
3. Analyze the critical elements of successful bilingual education programs.  
4. Analyze policies and laws targeting non-majority linguistic and ethnic communities and their effects on the larger society.

Model Program for Bilingual/Bicultural Studies  
An Associate Degree requires 60 units appropriate to your educational goal, to include general education and at least 18 units in a major. Courses should be selected to meet the lower-division major preparation requirements at your intended transfer university - these specific requirements can be found at www.assist.org for 4-year public institutions in California. Please see a counselor for advisement to ensure you are taking the best possible courses given your goal.  
The department presents the following suggested model program for this major. The courses listed below may or may not be appropriate depending on your specific goal. Please see a counselor for advisement for transfer to any 4-year institution.
### Bilingual/Bicultural Studies Courses

**BBS 32**  
**Issues of Linguistic and Cultural Diversity in Education, History and Politics**  
3 units; 3 hours Lecture  
Repeatability: May be taken a total of 1 time.

Examines issues involving linguistic and cultural diversity in the United States, including topics such as multi-ethnic heritage, sociopolitical movements, laws concerning ethnicity and language, communication and language acquisition theory, and an in-depth look at bilingual/cross-cultural education.

**Transfer Credit:** Transfers to CSU; UC.

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### Biology A.S.-T Degree

Biology is the study of living organisms. Through the use of the scientific method, biologists seek to understand the unity and diversity of life. By understanding biological processes, we can make intelligent decisions regarding our environment, our health and our place in the ecosystem.

A solid background in the life sciences is required for many careers, including work in the allied health professions, agriculture, food service, parks and recreation, and education. Occupations with a scientific and technological component will be increasingly available in the future.

High School Preparation: Chemistry, physics, and four years of college preparatory mathematics; a foreign language is recommended.

A biology major transfers to a four-year institution to complete a bachelor’s degree in Biology, Biological Sciences, or Biochemistry, with a choice of concentrations from Biotechnology to Zoology. Cabrillo’s Biology program is articulated with the UC and CSU systems and includes the standard courses needed to complete the first two years of the major.

Cabrillo offers options for degrees in Biology. The first option listed below is an Associate in Science in Biology for Transfer (A.S.-T), which is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing these degrees are guaranteed admission to the CSU system, but not to a particular campus or major. See Associate Degree for Transfer information in the Cabrillo College Catalog. IGETC for STEM (for CSU) is required for the Biology A.S.-T degree. The following is required for all A.A.-T or A.S.-T degrees:

- Completion of 60 CSU-transferable semester units.
- Minimum grade-point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA.
- Completion of a minimum of 18 semester units in the major with a letter grade of “C” or better, or a “P” if the course is taken on a “pass/no pass” basis.
- Certified completion of the California State University General Education- Breadth pattern (CSU GE Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

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### Biology

**Natural and Applied Sciences Division**

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