



Curriculum On College & Careers



Unlocking a door to the future

C3/A: College



Agenda

A1. Reviewing Your College Options

A2. Exploring Careers

A3. Identifying Colleges

A4. Applying for College

A5. UC/CSU Requirements



REVIEWING YOUR COLLEGE OPTIONS

A1. Name at least five different types of colleges.



College

DESIRED OUTCOME

90% of Cadets understand their options and how to prepare for getting accepted to a college and obtaining a degree.

Plan of Action

1. Name at least five different types of colleges.
2. Identify and discuss tools that can be used to determine what careers may be best suited for a person.
3. List the criteria that are important to selection of a college.
4. List the components of the college application process.
5. List the A-G Requirements that must be met in high school to qualify to attend a UC or CSU institution.

Essential Question: What options do I have regarding going to college?



Is college right for you?

- What type of career are you interested in?
 - Degree needed? What type?
 - College education to advance your career?
 - College while you work?
- How good a student are you?
 - Do you have the grades to be accepted
 - How will you perform on the SAT/ACT?
 - Do you have the potential to graduate college?
- How will you pay for it?
 - Tuition/fees/books etc.
 - Room & board/Living expenses
 - What is your support system?
 - Completed FAFSA (Free Application for Federal Student Aid)?
 - Do you want student loan payoff burden after college?
 - Can you get scholarships?
 - Are you considering tuition-free schools (like the service academies)?





Attending College Later

- Can't go to college straight out of high school? Consider alternatives:
 - On-line degree programs
 - Nights & weekends school
 - Take a break, then go back to school ("Gap Year")
- The above options can add a burden
 - Need to be highly motivated to make them work, but they are possible!
- Is funding stopping you? Other options:
 - US Military Academies
 - Scholarships
 - Community College
 - Student loans (but beware of heavy burden of student loan debt after college!)



Types of Post-Secondary Education

- Private Universities
- Public Universities
 - University of California (UC)
 - California State University systems (CSU)
- Community Colleges
- On-line Schools
- Military Academies
 - West Point, Annapolis, Air Force, Coast Guard, Merchant Marine
 - Private/State Academies like Norwich, New Mexico Military Institute, The Citadel
- Vocational/Technical/Career Schools offering certificates or associate degrees



Norwich University, Northfield, VT



Types of Schools



- Colleges fall into different categories that offer different outcomes:
 - 2-Year Colleges (community college, certificate programs, etc.)
 - Associate degree
 - 4-Year Colleges (public & private, military academies)
 - Bachelor of Arts or Science degree
- Bachelor's degree via Community College route:
 - Complete general educational requirements
 - ➡ local & cheaper
 - Transfer to 4-year college to complete Bachelor's degree



Helpful Resources

- School guidance counselors
- Teachers
- Friends or relatives who attended college
- School web sites
- On-line companies who help you prepare for college admission



Is College for you?

Statistics support college degrees, putting you in better positions for economic success:*

	College Grads	HS Grads	Non-HS Grads
Median Salary	\$50K	\$30.5K	
Unemployment Rate	2.5%	5.3%	7.7%
Living in Poverty	6%		22%

STEM degrees – Science, Technology, Engineering, and Math – are more employable and generally higher paid than liberal arts majors

*Sturt, K. (2014, Nov 14). *Huffingtonpost.com*. Retrieved from [huffingtonpost.com](https://www.huffingtonpost.com/2014/11/04/college-cost-benefit_n_6057262.html):
https://www.huffingtonpost.com/2014/11/04/college-cost-benefit_n_6057262.html



Check on Learning

1. Name at least three ways you can pay for college.
2. What are the types of post secondary education?
3. Name some ways you can go to college if funding is a problem.



EXPLORING CAREERS

A2. Identify and discuss tools that can be used to determine what careers may be best suited for a person.



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Essential Question: What career might fit me best?



If you know your future:

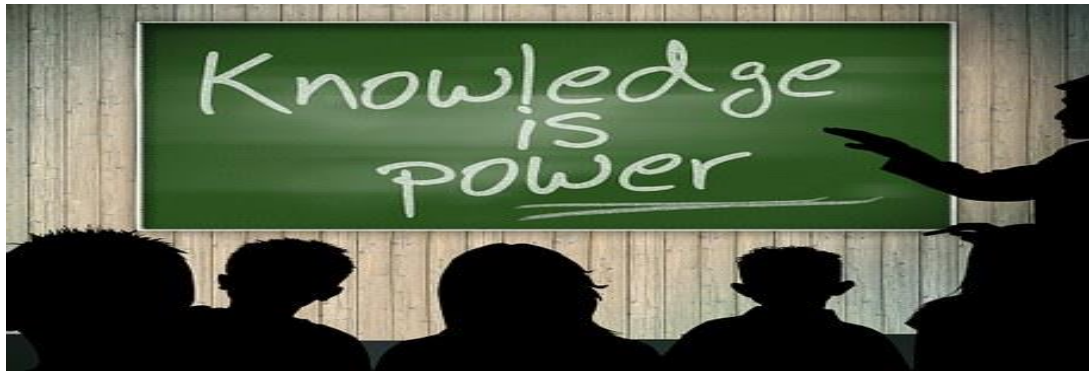
- Find out what you need to do to reach your vision
- Make a plan to get there
 - Required high school classes and extracurricular activities
 - College (or job) applications
 - How you will fund your education
- Execute!





If you're not sure:

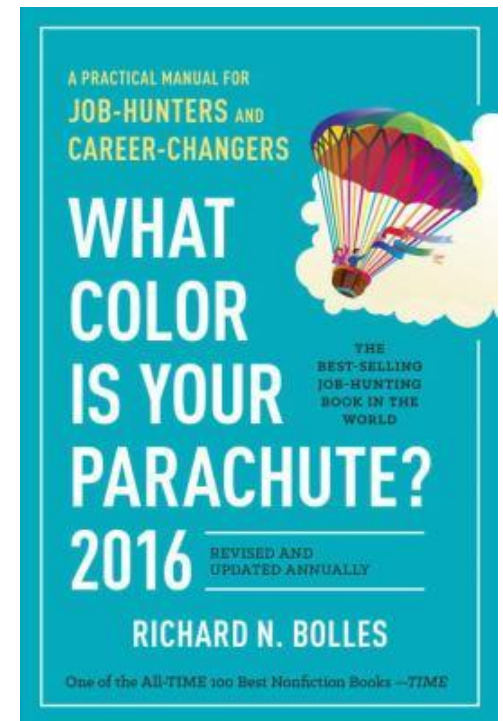
- Visit school counselor or career center – listen to the pros!
- Look at internet sites that help explore your skills, abilities, personality traits, likes & dislikes
- Take multiple tests designed to point you to what you can do best
- Examine available jobs and careers
- Consider how jobs will change in your lifetime





What Color is your Parachute?

- Iconic career advice book written in 1970, with annual updates
 - Helps determine:
 - What career might be right for you
 - How to network
 - How to apply for a job





What Color is your Parachute?

- MANY web sites, books, videos, career centers, and courses aim to help you identify:
 - Career that will be worthwhile
 - Your talents and needs



Check on Learning

1. If you have a vision of your future, what do you need to do to reach your goal?
2. If you're not sure what to do for a career, name some ways you can explore ideas?



IDENTIFYING COLLEGES

A3. List the criteria that are important to your selection of a college.



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Essential Question: What are the criteria I will use to determine what college to attend?



Where do I go to college?

- Local school – live at home, save money
 - Far away school – get away from home!
 - School your parents/relatives went to
 - Known for the subject you want to major in
 - Offering you a scholarship
-
- There are a lot of options to take into consideration!



What are your Criteria?

- School type (4-year, 2-year, on-line, VOTECH, etc.)
- School size
- Location
- Setting (i.e. small town or big city)
- Cost
- Reputation
- Graduation rate
- Safety
- Class Size
- Faculty Contact
- Placement Success
- Student Body
- Social Life
- Housing Options
- Realistic Chance of Being Accepted
- Other (i.e. religious affiliation, public/private, single-gender)





What to do . . .



- Know what you want to major in?
 - Narrow search to schools offering degree program you want
 - Research colleges that fit your criteria
 - Review college lists
 - Check out sites that rank colleges
 - Make a list of dream schools, realistic schools, & back-up schools
 - Narrow your list to what you feel you can reasonably apply to



Check on Learning

1. List at least eight different criteria that is important in deciding your college choice.
2. What are some next steps once a desired college major is chosen?



APPLYING FOR COLLEGE

A4. List the criteria that are important to selection of a college.



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Essential Question: What documents do I need for college applications?



College Application

- Usually online
- [Common Application](#)
- School website gives requirements
- Lots of information to gather for application
- Application can be started, saved, & returned before submitting
- Don't submit it until it's as good as you can make it!





College Application

- Usually \$30-\$60 fee to submit application
- Need high school transcripts
 - Some colleges require transcripts be:
 - mailed/sent directly from the high school or
 - submitted in a sealed envelope
- Lots of other parts to the application – they're all important!





Take College Entrance Exams

- SAT, ACT, & SAT Subject Tests
 - ❖ Can be taken multiple times
- Most schools accept all tests
 - ❖ But check with schools you're applying to
- See Lesson C7 (Study Skills) C2 and C3 on taking the SAT & ACT
- Schedule tests to allow enough time to get the scores before you submit your college applications





Letters of Recommendation

- 2 or 3 recommendation letters from high school teachers or counselors
- Ask people who know you well and can speak to your strengths
- Consider asking a leader in the CA Cadet Corps
- Give your recommenders plenty of time to write the letter
- Give your recommenders all the information they need to complete the letter





Personal Essay

- Key part of your application
- School will give you guidelines for your essay – follow them!
- Have others give you feedback on your essay
- **Ensure it is well edited for grammar, typos, etc.**
- End with a conclusion, not just a summary



Financial Aid



- Application process is separate from admission process
- FAFSA = Free Application for Federal Student Aid
- Check schools' financial aid policies and options
- Get student loans from financial institutions
 - *But BEWARE! Paying back student loans after college can be a big financial burden for a very long time*
- Join the military and earn GI Bill benefits
- Some organizations offer student grants to their members' families



Check on Learning

1. How many recommendation letters are required when applying to college?
2. List the various types of financial aid.
3. Name some of the documents needed for college applications.



UC/CSU REQUIREMENTS

A5. List the A-G Requirements that must be met in high school to qualify to attend a UC or CSU institution.



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Essential Question: What academic requirements do I need to be considered for admission to college?



UC and CSU Systems



University of California System

- Berkeley
- Davis
- Irvine
- Los Angeles
- Merced
- Riverside
- San Diego
- San Francisco
- Santa Barbara
- Santa Cruz




California State University System

- Bakersfield
- Channel Islands
- Chico
- Dominguez Hills
- East Bay
- Fresno
- Fullerton
- Humboldt
- Long Beach
- Los Angeles
- Maritime
- Monterey Bay
- Northridge
- Cal Poly Pomona
- Sacramento
- San Diego
- San Francisco
- San Jose
- Cal Poly San Luis Obispo
- San Marcos
- Sonoma
- Stanislaus



A-G Requirements

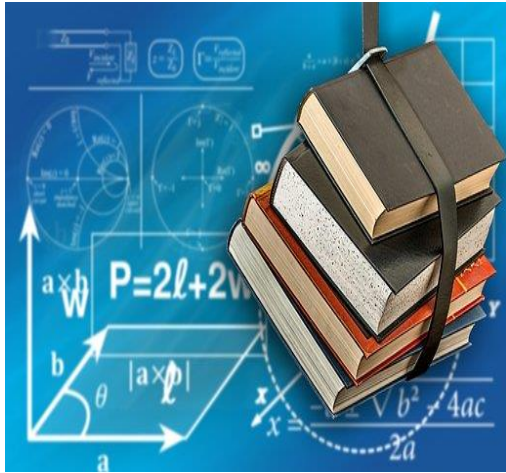
- Cal State or UC Institution require prerequisites taken during high school  A-G Subject Requirements

There are 4 different methods to attain this goal:

- High School Courses
- SAT Subject Examination
- Advance Placement (AP) or International Baccalaureate (IB) Examination
- College Courses



A-G Subjects



- a. History/Social Science
- b. English
- c. Mathematics
- d. Laboratory Science
- e. Language Other than English
- f. Visual/Performing Arts
- g. College Preparatory Elective



a. History/Social Sciences

- High School
 - 2 years of history/social science including:
 - 1 year of world history cultures and geography *and*
 - 1 year of U.S. history or 1/2 year of U.S. history and 1/2 year of civics or American government
- SAT Examination
 - U.S. History - Score 550 satisfies 1 year
 - World History - Score 540 satisfies 1 year



a. History/Social Sciences

- AP or IB examination
 - AP Exam: To receive full credit a score of 3, 4, or 5 needed
 - U.S. History - The AP U.S. History Exam
 - U.S. Government - satisfies a 1/2 year
 - World History/Cultures/Geography - The AP Exam in European History, World History or Human Geography
 - IB Exam: To receive full credit a score of 5, 6, or 7 needed
 - IB History of the Americas HL Exam
 - IB History HL or Geography HL Exam





a. History/Social Sciences

College Courses

- In both U.S. History/Civics/American Government *AND* World History/Culture/Geography
- Grade of C or better in a transferable course of 3 or more semester (4 or more quarter) units





b. English

- High School
 - 4 years of college-prep English that include literature (modern and classical), reading, brainstorming, & frequent writing
 - No more than 1 year of ESL courses
- SAT Exam
 - Writing & Language Score of 31 satisfies first 3 years
 - Writing & Language Score of 36 satisfies entire four-year requirement
- AP or IB
 - AP Exam: To receive full credit a score of 3, 4, or 5 needed
 - AP English Language and Composition Exam
 - English Literature and Composition Exam
 - IB Exam: To receive full credit a score of 5, 6, or 7 needed
 - HL English: Literature Exam



b. English

College Courses

- Grade of C or better in English composition, literature (American or English) or foreign literature in translation satisfy first 3 years
- Grade of C or better in a transferable course of 3 or more semester (4 or more quarter) units in all the above courses satisfies the 4th year





c. Mathematics



- High School
 - 3 years required, 4 years recommended
 - College-prep mathematics that include:
 - ❖ Elementary & advance algebra
 - ❖ 2 & 3 dimensional geometry
 - ❖ Any other approved math courses
- SAT Examination
 - Mathematics Level 1: Score of 570 satisfies entire requirement
 - Mathematics Level 2 - Score of 480 satisfies entire requirement



c. Mathematics

- AP or IB
 - AP Exam: To receive full credit a score of 3, 4, or 5 needed
 - AP Calculus AB (satisfies 3 years)
 - Calculus BC (satisfies 3 years)
 - Statistics Exam (satisfies Intermediate & Elementary Algebra)
 - IB Exam: To receive full credit a score of 5, 6, or 7 needed
 - IB Mathematics HL Exam
- College Courses
 - Grade C or better in 1 of the following satisfies entire requirement:
 - A transferable math course (intermediate algebra or statistics as a prerequisite)
 - 3 semester (4 quarter) units of nontransferable courses in elementary algebra, geometry, intermediate algebra or trigonometry = 1 year of math requirements with a C or better



d. Laboratory Science

- High School
 - 2 years required, 3 years recommended:
 - 2 years of laboratory science providing knowledge in 2 or 3 core disciplines:
 - ✓ Biology
 - ✓ Chemistry
 - ✓ Physics
 - Final 2 years of an approved 3-year integrated science program may be used to fulfill this requirement
- SAT Examination
 - Each test clears 1 year:
 - Biology - Score of 540
 - Chemistry - Score of 530
 - Physics - Score of 530





d. Laboratory Science

- AP or IB
 - AP Exam: To receive full credit a score of 3, 4, or 5 needed
 - Any 2 AP Exams in:
 - ✓Biology
 - ✓Chemistry
 - ✓Physics B or Physics C
 - ✓Environmental Science
 - ✓IB Exam: To receive full credit a score of 5, 6, or 7 needed
 - ✓Any 2 IB HL Exams in:
 - ✓Biology
 - ✓Chemistry
 - ✓Physics
- College Courses
 - Each year of the requirement, a C or better in transferable course in a:
 - Natural (physical or biological) science with at least 30 hours of laboratory (not “demonstration”)



e. Language other than English

- High School
 - 2 years required, 3 years recommended:
 - 2 years of the same language other than English
 - Courses should emphasize:
 - ❖ Speaking
 - ❖ Understanding
 - ❖ Grammar
 - ❖ Vocabulary
 - ❖ Reading
 - ❖ Composition and
 - ❖ Culture
 - Courses taken in 7th and 8th grade may be used if the high school accepts them as equal to its own courses





e. Language other than English

SAT Examination

- Satisfy the entire requirement with any one of the following:
 - Chinese with listening - 520
 - French with listening - 540
 - German with listening - 510
 - Modern Hebrew - 470
 - Italian - 520
 - Japanese with listening - 510
 - Korean with listening - 500
 - Latin - 530
 - Spanish with listening - 520



e. Language other than English

- AP or IB
 - AP Exam: To receive full credit a score of 3, 4, or 5 needed
 - AP Language or Literature Exam in
 - Chinese
 - French
 - German
 - Italian
 - Japanese
 - Spanish
 - IB Exam: To receive full credit a score of 5, 6, or 7 needed
 - IB Language A2 HL Exam
- College Courses
 - C or better in any transferable course(s) (excluding conversation) held in college = to 2 years of high school language
 - Many college courses as “Language 1” clears both years of the requirement



f. Visual and Performing Arts

- High School
 - 1 year long course required of visual and performing arts chosen from:

- Dance
- Drama/theater
- Music
- Visual arts



- SAT Examination - None Available



f. Visual and Performing Arts

- AP or IB
 - AP Exam: To receive full credit a score of 3, 4, or 5 needed
 - ✓ AP History of Art
 - ✓ Studio Art
 - ✓ Music Theory Exam
 - IB Exam: To receive full credit a score of 5, 6, or 7 needed
 - IB HL Exam
 - ✓ Dance
 - ✓ Film
 - ✓ Music
 - ✓ Theatre Arts
 - ✓ Visual Arts



f. Visual and Performing Arts

College Courses

- Any transferable course of 3 semester (4 quarter) units that fall within 1 of the 4 visual/performing arts disciplines:
 - ❖ Dance
 - ❖ Drama/theater
 - ❖ Music
 - ❖ Visual Art



g. College Preparatory Elective

- High School
 - 1 year (2 semesters) in addition to those required “a-f” above:
 - ✓ Visual & performing arts (non-introductory level courses)
 - ✓ History
 - ✓ Social Science
 - ✓ English
 - ✓ Advance Mathematics
 - ✓ Laboratory Science
 - ✓ Language other than English (a 3rd year in the language used for the “e” requirement or 2 years of another language)



g. College Preparatory Elective

- **SAT Examination**

- U.S. History - Score of 550
- World History - Score 540
- Writing/English Composition or Literature - Score of 560
- Mathematics Level 2 - Score of 520
- Science (other than taken “d” requirement) - Same tests/scores as listed above under “d”
- Language other than English, 3rd year:
 - ❖ Chinese with listening - 570
 - ❖ French with listening - 590
 - ❖ German with listening - 570
 - ❖ Modern Hebrew - 500
 - ❖ Italian - 570
 - ❖ Japanese with listening - 570
 - ❖ Korean with listening - 550
 - ❖ Latin - 580
 - ❖ Spanish with listening - 570
- A second Language other than English (other than taken for “e” requirement) - Same tests and scores as listed under “e”



g. College Preparatory Elective

- **AP or IB**

- All AP Exam: To receive full credit a score 3, 4, or 5 in any one AP Exam needed
 - ✓ Computer Science A
 - ✓ Computer Science AB
 - ✓ Microeconomics
 - ✓ Macroeconomics
 - ✓ Human Geography
 - ✓ Psychology
 - ✓ U.S. Government
 - ✓ Comparative Government
- All IB Exam: To receive full credit a score of 5, 6, or 7 in any one IB HL Exam needed
 - ✓ Economics
 - ✓ Philosophy
 - ✓ Psychology
 - ✓ Social and Cultural Anthropology
 - ✓ Computer Science



g. College Preparatory Elective

College Courses

- C or better in 1 transferable course beyond those listed above as clearing any of the “a-f” requirements **or**
- A transferable course having as prerequisite = 2 high school years in a 2nd language **or**
- Transferable course = to those that clear the “c”, “d” or “e” requirement **or**
- Transferable course of 3 or more semester (4 or more quarter) units in
 - ✓ History
 - ✓ Social Science
 - ✓ Visual and Performing Arts



Check on Learning

1. True/False: All requirements in A-G require a 'B' grade to pass in order to gain admittance to a CSU/UC campus.

2. A 2-year class in a foreign language is required to attend a CSU/UC campus and may include:
 - ❖ French with listening
 - ❖ Spanish with listening
 - ❖ Italian
 - ❖ Modern Hebrew
 - ❖ All the above