



ANNUAL ACTIVITY/PROGRAM REVIEW: COLLEGE OF ENGINEERING, COMPUTER SCIENCE, AND CONSTRUCTION MANAGEMENT

The IRA Advisory Committee is responsible for the oversight of approved IRA activities/programs. This template will enable the committee to evaluate activities/programs at a high level.

Please submit by **October 31, 2020** to Kim Williams at kwilliams@csuchico.edu

Signature of Dean/Director: _____

Print Name: Seema Sehrawat

Date: 10/30/2020

1. Please complete the following information for your college/unit's approved IRA activities/programs:

Approved IRA Activity/Program	Faculty Advisor	Website*
American Concrete Institute (ACI) Student Chapter	Mohammed Albahttiti	https://www.csuchico.edu/cim/student-resources/aci.shtml
Association for Computing Machinery (ACM) Programming Contest	Bryan Dixon	http://www.icfpconference.org/contest.html
Baja SAE	Dennis O'Connor	https://www.csuchico.edu/mmem/student-organizations/sae.shtml
Chico State Rocketry and Aerospace Club	Dennis O'Connor	https://www.csuchico.edu/mmem/student-organizations/chico-rocketry-and-aerospace-club.shtml
Collegiate Penetration Testing Competition (CPTC) Western Region	David Zeichick	https://cptc-west.stanford.edu/
Concrete Canoe	Kenneth Derucher	https://www.2019ascemidpac.org/events/
Construction Competition Team	Chris Souder	http://www.csuchico.edu/cm/student-act-achievements/asc-student-competition.shtml
Earthquake Engineering Research Institute (EERI) Student Chapter	David (Jared) Debock	https://csuchico.campuslabs.com/engage/organization/eeri
Engineers for Alternative Energy	David Alexander	https://www.csuchico.edu/mmem/student-organizations/eae.shtml
Formula SAE	Harold Koehler	https://www.csuchico.edu/mmem/student-organizations/sae.shtml
Formula SAE Electric – <i>inactive since 2018-19</i>	Joshua Miranda	

GeoWall Challenge Team (ASCE Mid-Pac Student Conference)	Jared Debock	https://www.2019ascemidpac.org/events/
Micromouse	Hassan Salehi	http://www.micromouseonline.com/
Steel Bridge	Jared Debock	https://www.csuchico.edu/ce/resources/student-organizations.shtml
Sustainable Engineering and Environmental Health Development (SEEHD)	Stewart Oakley	https://www.csuchico.edu/ce/resources/student-organizations.shtml
Unmanned Aerial Systems Team	Hassan Salehi	
Water Treatment Team	Jackson Webster	https://www.2019ascemidpac.org/events/

***All IRA activity/program websites require the placement of the official IRA logo on each page of the site. A high-resolution logo is included in the email with this form.**

College/Unit	IRA Prior Year (2019-20) Carryover	IRA Current Year (2020-21) Baseline Allocation	IRA Carryover as Percent of Baseline
College of Engineering, Computer Science, and Construction Management	\$42,482.56	\$48,148.00	56.15%

In AY 19-20, our IRA allocation was \$75,662, out of which, on paper we did not spend \$42,482.56 (56.15%). Due to lockdown and COVID-19 pandemic, students were not allowed to take part in in-person competitions and we were left with a large carryover, which is unusual.

- List the total dollar amount allocated from the college/unit to each activity/program (actual expenses in T6300 which may include those for Exemplary Performance or one-time funding). Other sources should be entered in the “Other Sources of Funding” column. **Do not include Work Study (#3).**

IRA Prior Year (2019-2020) actual expenses column in the table below takes into account remaining balances as of June 30th. ECC IRA clubs engage in competitions during later Spring and Summer. Therefore, we added another column to this table showing amount spent by various clubs for a total of \$11,946.11. for AY 2020-2021, we received proposals from thirteen IRA certified clubs in the amount of \$75,680, because of travel restrictions, we are not funding travel and only allocating \$46,482 to these thirteen clubs. We have held baseline funds for Spring 2021 in the amount of \$44,148.56. Further, in a pandemic free year, ECC IRA clubs’ members incur significant out-of-pocket expenses. Faculty advisors of these IRA clubs often have out of pocket expenses that are not reimbursed by the department or college office.

Approved IRA Activity/Program	IRA Prior Year (2019-20) Baseline Allocation	IRA Current Year (20-21) Baseline Allocation	IRA Prior Year (2019-20) Actual Expenses	IRA Prior Year (18-19) Rollover Fund Expenses	Other Sources of Funding (RF, UF, GF, etc.)	Notes (explain the differences in baseline and actuals, etc.)
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American Concrete Institute (ACI) Student Chapter	\$0	\$2,300	\$0		\$1000 (donations of materials)	New club and is given funding for the first time
Association for Computing Machinery (ACM) Programming Contest	\$3,000	\$500	\$2,718.47		\$1000 (donations from Industry Parenters)	Due to COVID-19 all funds were not spent
Baja SAE	\$13,000	\$15,000	\$7,439.86		\$130,000 in cash/materials donations (breakdown of these funds is available, please request if needed)	Due to COVID-19 all funds were not spent
Chico State Rocketry and Aerospace Club	\$6,000	\$5,872	\$4,116.15	\$685.36	\$4,500 (Fundraising and materials donated)	Due to COVID-19 all funds were not spent
Collegiate Penetration Testing Competition (CPCT)	\$0	\$0	\$0	\$0	\$0	New club and no funds are requested so far. We will allocate funds if there is a virtual competition during this AY (20-21).
Concrete Canoe	\$9,000	\$2,010	\$5,609.88	\$227.36	\$3500 (Materials donated from previous year)	Due to COVID-19 all funds were not spent
Construction Competition Team	\$13,751.31	\$5,000	\$13,751.31	\$0	\$2,500 (Fundraising)	Competition took place in January 2019 and all funds were successfully utilized before the pandemic hit

Earthquake Engineering Research Institute (EERI) Student Chapter	\$0	\$0	\$0		\$0	New club and no funds are requested so far. We will allocate funds if there is a virtual competition during this AY (20-21).
Engineers for Alternative Energy	\$2,400	\$	\$53.76	\$0		Due to COVID-19 all funds were not spent
Formula SAE	\$13,000	\$15,000	\$2,649.14	\$5043.63	\$32,000 (cash donations, materials and machine time)	Due to COVID-19 all funds were not spent
Formula SAE Electric – <i>inactive since 2018-19</i>	\$0	\$0	\$0		\$0	
GeoWall Challenge Team (ASCE Mid-Pac Student Conference)	\$3,000	\$0	\$254.43	\$454.72	\$0	Due to COVID-19 all funds were not spent
Micromouse	\$2,000	\$0	\$171.95		\$0	Due to COVID-19 all funds were not spent
Steel Bridge	\$5,200	\$0	\$200.00		\$3000	Steel Bridge has \$3,000 in donations carrying forward from 2019-20.
Sustainable Engineering and Environmental Health Development (SEEHD)	\$5,000	\$0	\$0	\$5080.32	\$0	No funds spent in AY 19-20 as competition takes place later in the spring semester and we were in lockdown.
Unmanned Aerial Systems Team	\$3,000	\$0	\$813.45		\$0	Due to COVID-19 all funds were not spent
Water Treatment Team	\$3,000	\$800	\$470.05	\$454.72	\$300	
Baseline held for future allocation (i.e., spring semester, one-time purchase, etc).	\$0	\$44,148.56	\$		\$0	Due to COVID-19 all funds were not spent
Total Allocation*	\$	\$90,630.56	\$38,248.45	\$11,946.11	\$	

* **Must equal total IRA current year baseline allocation as shown in #1 above.**

Please note: Budget transfers to activities/programs are required at the program level by September 30th each year. Additionally, the IRA Advisory Committee recommends determining all activity/program budget amounts by June 30th for the following year.

3. List the total IRA Work Study dollar amount allocated for each activity/program.

Approved IRA Activity/Program	2020-21 IRA Work Study Allocation	2019-20 Year IRA Work Study Actual Expenses
American Concrete Institute (ACI) Student Chapter	\$0	\$0
Association for Computing Machinery (ACM) Programming Contest	\$0	\$0
Baja SAE	\$0	\$0
Chico State Rocketry and Aerospace Club	\$0	\$0
Collegiate Penetration Testing Competition (CPCT)	\$0	\$0
Concrete Canoe	\$0	\$0
Construction Competition Team	\$0	\$0
Earthquake Engineering Research Institute (EERI) Student Chapter	\$0	\$0
Engineers for Alternative Energy	\$0	\$0
Formula SAE	\$0	\$0
Formula SAE Electric – <i>inactive since 2018-19</i>	N/A	N/A
GeoWall Challenge Team (ASCE Mid-Pac Student Conference)	\$0	\$0
Micromouse	\$0	\$0
Steel Bridge	\$0	\$0
Sustainable Engineering and Environmental Health Development (SEEHD)	\$0	\$0
Unmanned Aerial Systems Team	\$0	\$0
Water Treatment Team	\$0	\$0

4. Estimate student participation for each activity/program for this academic year (e.g., an activity has 15 members but only 10 attend competitions and incur expenses). Not all columns may apply to your activity/program. Do not include students attending/served by activities/programs.

a. Provide the following on estimated student involvement:

Please note that this report does not capture out of pocket cost for faculty advisors for IRA clubs.

Approved IRA Activity/Program	Estimated # of Students Participating in Activity/Program	Estimated # of Students Incurring Costs	Estimated Per Student Out-of-Pocket Cost
American Concrete Institute (ACI) Student Chapter	20	8	\$0 (donated materials will be used)
Association for Computing Machinery (ACM) Programming Contest	15	0	\$0 (Industry partners are being approached to donate price money)
Baja SAE	46	20	\$400 (\$8,000 total)
Chico State Rocketry and Aerospace Club	41	15	\$311 (\$4,676 total)
Collegiate Penetration Testing Competition (CPCT)	Unknown	Unknown	
Concrete Canoe	30	15	\$0
Construction Competition Team	40	0	\$0 (Students are engaged in raising \$2500)
Earthquake Engineering Research Institute (EERI) Student Chapter	Unknown	Unknown	
Engineers for Alternative Energy	Unknown	Unknown	
Formula SAE	61	15	\$400 (\$6,000 total)
Formula SAE Electric – inactive since 2018-19			\$
GeoWall Challenge Team (ASCE Mid-Pac Student Conference)	Unknown	Unknown	\$
Micromouse	Unknown	Unknown	\$
Steel Bridge	32	32	\$0
Sustainable Engineering and Environmental Health Development (SEEHD)	Unknown	Unknown	\$
Unmanned Aerial Systems Team	Unknown	Unknown	\$
Water Treatment Team	15	15	\$90 (\$1,350 total)

b. Please list all known competitions/performances/events expected of each activity/program for this academic year:

Approved IRA Activity/Program	Name of Competition, Performance, Event, etc.	Location	Date	Estimated # of Students Directly Participating in Competitions, Performance, Events, etc.
American Concrete Institute (ACI) Student Chapter	Decorative Concrete Challenge	Virtual	Spring Semester (TBD)	20
Association for Computing Machinery (ACM) Programming Contest		Virtual	Spring Semester (TBD)	15
Baja SAE	Two Competitions a year (Baja SAE Competition)	Unknown	Expected between April-July	20-30
Chico State Rocketry and Aerospace Club	Spaceport America Cup IREC Challenge	Unknown	Expected between April-July	15
Collegiate Penetration Testing Competition (CPCT)	Unknown			
Concrete Canoe	ASCE Mid-Pac Competition	Virtual	Spring Semester (TBD)	10-15
Construction Competition Team	Associated Schools of Construction Student Competition	Virtual	February 3-6, 2021	40
Earthquake Engineering Research Institute (EERI) Student Chapter	Unknown			
Engineers for Alternative Energy	Unknown			
Formula SAE	Two Competitions (Formula SAE)	Unknown	Expected between April-July	15
Formula SAE Electric – <i>inactive since 2018-19</i>				

GeoWall Challenge Team (ASCE Mid-Pac Student Conference)	Unknown			
Micromouse	Unknown			
Steel Bridge	AISC Steel Bridge Regional Event	Virtual	Spring Semester (TBD)	41
Sustainable Engineering and Environmental Health Development (SEEHD)	Unknown			
Unmanned Aerial Systems Team	Unknown			
Water Treatment Team	ASCE Mid-Pac Competition	Unknown	April 23, 2021 to April 26, 2021	15

5. Please provide updated information for each of your activities/programs as requested in the tables below and provide appropriate explanations.

Approved IRA Activity/Program	Are any activities/ programs inactive or defunct? If yes, please explain.	Has student participation increased or decreased for any activity/ program? If yes, please provide the percentage and explain.	Has any activity/program's allocation or expenses significantly increased or decreased (5-10%)? If yes, please provide the percentage and explain.
American Concrete Institute (ACI) Student Chapter	No	New Club	New Club
Association for Computing Machinery (ACM) Programming Contest	No	Decreased by 8-10% due to COVID -19	Decreased due to Virtual Competition
Baja SAE	No	Decreased by 8-10% due to COVID -19	Decreased as travel is restricted
Chico State Rocketry and Aerospace Club	No	Decreased by 8-10% due to COVID -19	Decreased as travel is restricted
Collegiate Penetration Testing Competition (CPCT)	No	New Club	New Club
Concrete Canoe	No	Decreased by 8-10% due to COVID -19	Decreased due to Virtual Competition

Construction Competition Team	No	Decreased by 10-15% due to COVID -19	Decreased due to Virtual Competition
Earthquake Engineering Research Institute (EERI) Student Chapter	No	New Club	New Club
Engineers for Alternative Energy	No	Decreased by 20% due to COVID -19	Unknown due to COVID-19
Formula SAE	No	Decreased by 8-10% due to COVID -19	Decreased as travel is restricted
Formula SAE Electric – <i>inactive since 2018-19</i>	Yes	%	%
GeoWall Challenge Team (ASCE Mid-Pac Student Conference)	No	Decreased by 10-15% due to COVID -19	Unknown due to COVID-19
Micromouse	No	Decreased by 10-15% due to COVID -19	Decreased due to Virtual Competition
Steel Bridge	No	Decreased by 10-15% due to COVID -19	Decreased due to Virtual Competition
Sustainable Engineering and Environmental Health Development (SEEHD)	No	Decreased by 10-15% due to COVID -19	Unknown due to COVID-19
Unmanned Aerial Systems Team	No	Decreased by 10-15% due to COVID -19	Unknown due to COVID-19
Water Treatment Team	No	Decreased by 10-15% due to COVID -19	Decreased as travel is restricted

6. What process does your college/unit use to determine baseline budget allocations each year?

Proposals are reviewed and ranked based on their merit, the amount awarded in the prior years, and any changes in the competition (e.g., competition fees, if the location of the competition changes such that the travel and hotel expenses are substantially different, etc.).

7. How are each of the activities/programs in your college/unit evaluated each year?

Every ECC IRA club submits an activity report along with request for funding for the next academic year. Funding for the next cycle takes into account activities of each IRA club.

8. Provide the College’s IRA carryover amounts for the last three years. (Colleges/units are to limit their carryover to no more than 20% of baseline allocations. Balances of more than 20% may impact a college/unit’s future IRA allocations.)

College/Unit	2019-20 IRA Carryover to 2020-21	2018-19 IRA Carryover to 2019-20	2017-18 IRA Carryover to 2018-19
College of Engineering, Computer Science, and Construction Management	\$42,482.56	\$17,015.12	\$9,081.63

Please explain any carryover (unused) balances your college/unit’s activities/programs have and how you plan to spend these funds.

Individual IRA Clubs will not be allowed carryover balance. Carryforward balance from AY 19-20 (\$42,482.56) was swept and redistributed to certified IRA clubs that could use those funds while abiding by the travel restrictions due to COVID-19. ECC IRA clubs received a set allocation based on merit and need.

Approved IRA Activity/Program	Carryover Balance	How will the carryover balance be spent?
American Concrete Institute (ACI) Student Chapter	\$	
Association for Computing Machinery	\$	Individual IRA Clubs are not allowed to carry forward balance unless late spring/summer competition is on the schedule. Due to the pandemic all late spring/summer competitions were cancelled. Hence, funds were swept by the college and reallocated during AY 20-21
Baja SAE	\$	Same as above
Chico State Rocketry and Aerospace Club	\$	Same as above
Collegiate Penetration Testing Competition (CPCT)		
Concrete Canoe	\$	Same as above
Construction Competition Team	\$	Same as above
Earthquake Engineering Research Institute (EERI) Student Chapter	\$	
Engineers for Alternative Energy	\$	Same as above
Formula SAE	\$	Same as above
Formula SAE Electric – <i>inactive since 2018-19</i>	\$	

GeoWall Challenge Team (ASCE Mid-Pac Student Conference)	\$	Same as above
Micromouse	\$	Same as above
Steel Bridge	\$	Same as above
Sustainable Engineering and Environmental Health Development (SEEHD)	\$	Same as above
Unmanned Aerial Systems Team	\$	Same as above
Water Treatment Team	\$	Same as above