

Santa Rosa Junior College
Department of Engineering and Applied Technology
Civil Engineering, Surveying and Geospatial Technology (CESGT) Program
PROFESSIONAL ADVISORY COMMITTEE
FALL 2025 MEETING – DECEMBER 04, 2025, 12:00 PM to 1:00 PM

Minutes

Members attending: Mathew Dudley (chair), Tony Cinquini, Andre Hawks (proxy for Tom Gallup), Mike Jones.

Members absent: Lilly Capell, Art Graff, Steve Klein, Tom Gallup

Others attending: Reg Parks, MacKenzie Galindo

Mathew Dudley, called the meeting to order, welcomed the attendees and introductions were made.

OLD BUSINESS

- 1.) Reg provided a program update, discussing spring enrollment numbers, fall drops, and the spring enrollment impact, including engineering transfer students taking SURV60 in the fall and SURV53 in the spring.
- 2.) The Lindley rooftop GNSS RTN antenna array and receiver system is up, functioning properly, connected to the Lindley192 workstation via the Lindley research network, and currently undergoing positional equilibration.
- 3.) 2025 Perkins grant funding is roughly 97% utilized.
- 4.) Job offerings are at 19 and climbing. Scholarships offerings are up to 10 and climbing as civil engineering scholarships are just now opening up.

NEW BUSINESS

1. How to better market the CESGT Program?
 - a. targeted advertising in trade magazines
 - i. e.g. xyHt, expensive
 - b. visiting high schools
 - i. need person power
 - ii. Mathew hits Windsor HS
 - c. CLSA support (state and chapter levels)
 - i. inclusion in schools list in CAL Surveyor magazine
 - ii. new inroads with SF City and County Chapter
 - d. TrigStar back at SRJC, hosted by CLSA
 - i. CLSA need to step up
 - ii. SRJC can provide the venue
2. Central CA and SoCal Programs—competition? comparison?
 - a. ~ 10 other community colleges offer similar or more limited programs
 - b. according to Jerry miller no program has been in existence for 58 straight years

- c. some programs such as in the SoCAL and Los Angeles are seeing higher enrollment, some are seeing very little
- d. some offer in-person land surveying labs in the courses, some do not or farm out labs to outside employers.
- e. several offer Geospatial course only and advertise land surveying job skills
- f. roughly one third offer drone courses
- g. roughly 50% require some form of math course, some not at all
- h. SRJC offers a contextual, applied math course concurrent with and topically sequenced in parallel with surveying and civil engineering courses in the program
- i. the reader is directed to accompanying (attached) summary table of the 10 community colleges (composed in response to the discussion), also shown below in reduced format

3. Conclusion, next meeting time and date? TBA

CALIFORNIA COMMUNITY COLLEGE LAND SURVEYING PROGRAMS and MATH REQUIREMENTS

PROGRAM	LOCATION	PROGRAM AS/CERTS						UNITS to Compl	PLANE SURV Course#	Units	Lab?	MATH Prereq	Required Math Course Description	STAFF
		Civil Eng Surveying	Geospatial	Photogrammm & RS	Engin/CADD Drafting	Engin Transfer	Surveying Transf							
COLLEGE of the CANYONS CUYAMACA COLLEGE	Santa Clarita	X					X	27-28 SURV101 A/B SURV218 ENGR218	3+1 4 4	hybrid hybrid hybrid	Math102	Trigonometry (4-units)	LSx2, LS+GISPx1, LSITx2 LSx3	
	El Cajon	X			X	X								
DIABLO VALLEY COLLEGE	Pleasant Hill		X		X			27 ENGIN140 CONST160	4 3		MATH121	Plane Trigonometry	Math Instructor	
EAST LOS ANGELES COLLEGE	East Los Angeles	x						17 ENGSUP121	3		none	Skills Cert1, 7 units Skills Cert2, 10 units	Unspecified	
EVERGREEN VALLEY COLLEGE	San Jose	X				X		42-48 ENGR 061	2+1	yes	MATH 025	Precalculus Algebra and Trig	Civil Engineer (no name)	
MT. SAN JACINTO COLLEGE	San Jacinto		X			X		9 ENGR164	2+1	yes	none		Math Instructor	
REEDLEY COLLEGE	Reedley	X	X					22-29 SURV1/SURV1L	3+1	yes	none		LS	
RIO HONDO	Whittier	X		X		X		17-24					GIS Instructor	
SACRAMENTO CITY COLLEGE	Sacramento		X					31 SURVY300	4	yes	MATH373	Trigonometry for Calculus recomm HS courses in algebra, trig, physics, geog	LSx1	
SAN JOAQUIN DELTA COLLEGE		X				X	X	N/A			none		Civil Engineer	
SANTA ROSA JUNIOR COLLEGE	Santa Rosa	X	X	x	X	X	X	30 SURV60	4	yes	APTECH191 (concurrently)	Applied (contextual) Math for CESGT	LSIT+GISP, LSIT LSx2, EIT, PEx2	

(lower case indicates mini-certificates)

(table also attached to email as PDF)