College Curriculum Committee Meeting Agenda
Tuesday, April 21, 2020
2:00 p.m. – 3:30 p.m.
Meeting will be held virtually via ConferZoom

Item	Action	Attachment(s)	Presenter(s)
1. Minutes: March 13, 2020	Action	#4/21/20-1	Kuehnl
2. Minutes: March 17, 2020	Action	#4/21/20-2	Kuehnl
3. Report Out from Division Reps	Discussion		All
4. Announcements a. Foothill GE List for 2020-21 b. CourseLeaf Update c. Film, Television, and Electronic Media Certificate Approval d. UC/CSU Update	Information	#4/21/20-3-4	CCC Team
5. Consent Calendar a. Streamlined Certificates of Achievement b. GE Application	Action	#4/21/20-5-10 #4/21/20-11	Kuehnl
6. New Program Application: Bridge to College Level English Noncredit Certificate	2nd Read/ Action	#4/21/20-12	Kuehnl
7. New Program Application: Bio-Health Diversity and Inclusion Leadership Certificate of Achievement	1st Read	#4/21/20-13	Kuehnl
8. Ad Hoc Groups	2nd Read/ Action	#4/21/20-14-16	Kuehnl
9. Summer Quarter Distance Education Resolution	Action	#4/21/20-17-18	Kuehnl
10. Good of the Order			Kuehnl
11. Adjournment			Kuehnl

Consent Calendar:

Streamlined Certificates of Achievement (attachments #4/21/20-5-10)
Apprenticeship: Residential Wireman; Sound and Communication Installer
Fine Arts & Communication: Audio Post Production; Game Audio I; Songwriting

Foothill General Education (attachment #4/21/20-)
Area VII—Lifelong Learning: KINS 16A

Attachments:

#4/21/20-1 Draft Minutes: March 13, 2020
#4/21/20-2 Draft Minutes: March 17, 2020
#4/21/20-3 Foothill General Education 2020-21
#4/21/20-4 Foothill GE Changes for 2020-21
#4/21/20-12 New Program Application: Bridge to College Level English Noncredit Certificate
#4/21/20-13 New Program Application: Bio-Health Diversity and Inclusion Leadership Certificate of Achievement
#4/21/20-14 -16 Proposals to Create New Ad Hoc Committees: Curriculum Best Practices, Foothill General Education Process, Honors Institute Course Prerequisite

(updated)

#4/21/20-17 Summer 2020 & Fall 2020 Non-Distance Ed Course Offerings

#4/21/20-18 Draft Resolution to Support Extending Blanket Distance Education Addendum

2019-2020 Curriculum Committee Meetings:

Fall 2019 Quarter	Winter 2020 Quarter	Spring 2020 Quarter
~~10/8/19~~	~~1/21/20~~	4/21/20
~~10/22/19~~	~~2/4/20~~	5/5/20
~~11/5/19~~	~~2/18/20~~	5/19/20
~~11/19/19~~	~~3/3/20~~	6/2/20
~~12/3/19~~	~~3/17/20~~	6/16/20

Standing reminder: Items for inclusion on the CCC agenda are due no later than one week before the meeting.

2019-2020 Curriculum Deadlines:

- ~~*12/1/19*~~ Deadline to submit courses to CSU for CSU GE approval (Articulation Office).
- ~~*12/1/19*~~ Deadline to submit courses to UC/CSU for IGETC approval (Articulation Office).
- ~~*2/18/20*~~ Deadline to submit local GE applications for 2020-21 catalog (Faculty/Divisions).
- ~~*2/18/20*~~ Curriculum Sheet updates for 2020-21 catalog (Faculty/Divisions).
- *6/1/20* Deadline to submit new/revised courses to UCOP for UC transferability (Articulation Office).
- *6/19/20* COR/Title 5 updates for 2021-22 catalog (Faculty/Divisions).
- *Ongoing* Submission of courses for C-ID approval and course-to-course articulation with individual colleges and universities (Articulation Office).

Distribution:

Micaela Agyare (LIBR), Ben Armerding (LA), Rachelle Campbell (BH), Zachary Cembellin (PSME), Anthony Cervantes (Dean, Enrollment Services), Stephanie Chan (LA), Isaac Escoto (AS President), Mark Ferrer (SRC), Valerie Fong (Acting Dean, LA), Marnie Francisco (PSME), Evan Gilstrap (Articulation Officer), Hilary Gomes (FA), Allison Herman (LA), Kurt Hueg (Dean, BSS), Marc Knobel (PSME), Eric Kuehnl (Faculty Co-Chair), Debbie Lee (Acting Dean, FA & KA), Kristy Lisle (VP Instruction), Kent McGee (Evaluations), Dokesha Meacham (CNSL), Allison Meezan (BSS), Ché Meneses (FA), Brian Murphy (APPR), Teresa Ong (AVP Workforce), Ron Painter (PSME), Lisa Schultheis (BH), Lety Serna (CNSL), Matt Stanley (KA), Paul Starer (Administrator Co-Chair), Ram Subramaniam (Dean, BH & PSME), Nick Tuttle (BSS), Mary Vanatta (Curriculum Coordinator), Anand Venkataraman (PSME)

Updated 1/17/20

COLLEGE CURRICULUM COMMITTEE

Committee Members – 2019-20

Meeting Date: 4/21/20

Co-Chairs (2)

✔	Eric Kuehnl	7479	Vice President, Academic Senate (tiebreaker vote only)	kuehnleric@fhda.edu
✔	Paul Starer	7179	Interim Associate Vice-President of Instruction	starerpaul@fhda.edu

Voting Membership (12 total; 1 vote per division)

✔	Micaela Agyare	7086	Library	agyaremicaela@fhda.edu
	Ben Armerding	7453	LA	armerdingbenjamin@fhda.edu
	Rachelle Campbell	7469	BH	campbellrachelle@fhda.edu
	Zachary Cembellin	7383	PSME	cembellinzachary@fhda.edu
✔	Stephanie Chan		LA	chanstephanie@fhda.edu
✔	Mark Ferrer		SRC	ferrermark@fhda.edu
✔	Valerie Fong	7135	Acting Dean—LA	fongvalerie@fhda.edu
✔	Marnie Francisco	7420	PSME	franciscomarnie@fhda.edu
✔	Evan Gilstrap	7675	Articulation	gilstrapevan@fhda.edu
✔	Hilary Gomes	7585	FA	gomeshilary@fhda.edu
	Allison Herman	7460	LA	hermanallison@fhda.edu
✔	Kurt Hueg	7394	Dean—BSS	huegkurt@fhda.edu
✔	Marc Knobel	7049	PSME	knobelmarc@fhda.edu
✔	Dokesha Meacham	7211	CNSL	meachamdokesha@fhda.edu
✔	Allison Meezan	7166	BSS	meezankaren@fhda.edu
✔	Ché Meneses	7015	FA	menesesche@fhda.edu
✔	Brian Murphy		APPR	brian@pttc.edu
✔	Ron Painter		PSME	painterron@fhda.edu
✔	Lisa Schultheis	7780	BH	schultheislisa@fhda.edu
✔	Lety Serna	7059	CNSL	sernaleticia@fhda.edu
	Matt Stanley	7222	KA	stanleymatthew@fhda.edu
✔	Ram Subramaniam	7472	Dean—BH & PSME	subramaniamram@fhda.edu
✔	Nick Tuttle	7056	BSS	tuttlenick@fhda.edu
✔	Anand Venkataraman	7495	PSME	venkataramananand@fhda.edu

Non-Voting Membership (4)

			ASFC Rep.	
✔	Mary Vanatta	7439	Curr. Coordinator	vanattamary@fhda.edu
	Kent McGee	7298	Evaluations	mcgeekent@fhda.edu
			SLO Coordinator	

Visitors

Chris Allen, Anthony Cervantes, Katie Ha, Debbie Lee, Kristy Lisle, Teresa Ong

College Curriculum Committee
Meeting Minutes
Friday, March 13, 2020
Meeting held virtually via email

Item	Discussion
1. Resolution to Support Blanket Distance Education Addendum	**Speaker: Eric Kuehnl** Kuehnl sent the following email to the CCC distribution list on March 11th: I'd like to call an emergency vote via email for this Friday 3/13/2020. Under the circumstances, I don't think it will be practical to meet synchronously. However, it is essential for CCC to pass a resolution approving the Emergency Blanket Distance Education Addendum that will be submitted to the state Chancellor's Office to satisfy the requirements included in Title 5, section 55206. Please note that this request will be considered valid only for the designated time period and does not replace the standard local approval process. The courses included in the addendum will not be approved for distance learning beyond the end date specified in the addendum. A brief discussion occurred among the CCC reps, via email, regarding the request. Reps stressed the importance of the need for the addendum to allow for a variety of virtual delivery methods (e.g., Zoom), and for the language used to be broad and inclusive. Kristy Lisle, VP of Instruction, responded to address the reps' concerns, as well as to note that if we are legally mandated to close Foothill campus, this addendum will allow classes to continue to be taught during the closure via online delivery; face-to-face delivery will resume immediately once campus is allowed to reopen. Kuehnl drafted a resolution and forwarded it to the distribution list, via email, on March 12th, along with a list of all classes scheduled for winter 2020 and spring 2020 quarters which are not approved for Distance Education. CCC members voted by email. Voting concluded at 5:00 PM on March 13th: YES - 16; NO - 0; ABSTAIN - 0. **Approved.**

Attendees: Micaela Agyare (LIBR), Chris Allen (Dean, APPR), Ben Armerding (LA), Rachelle Campbell (BH), Zachary Cembellin (PSME), Stephanie Chan (LA), Isaac Escoto (AS President), Mark Ferrer (SRC), Owen Flannery (KA), Valerie Fong (Acting Dean, LA), Marnie Francisco (PSME), Evan Gilstrap (Articulation Officer), Hilary Gomes (FA), Allison Herman (LA), Kurt Hueg (Dean, BSS), Marc Knobel (PSME), Eric Kuehnl (Faculty Co-Chair), Debbie Lee (Acting Dean, FA & KA), Kristy Lisle (VP Instruction), Kent McGee (Evaluations), Dokesha Meacham (CNSL), Allison Meezan (BSS), Ché Meneses (FA), Brian Murphy (APPR), Thuy Nguyen (Foothill President), Ron Painter (PSME), Simon Pennington (Interim AVP, Marketing & Communications), Lisa Schultheis (BH), Lety Serna (CNSL), Sara Seyedin (Acting Dean, BSS), Matt Stanley (KA), Paul Starer (Administrator Co-Chair), Ram Subramaniam (Dean, BH & PSME), Nick Tuttle (BSS), Mary Vanatta (Curriculum Coordinator), Anand Venkataraman (PSME), Lené Whitley-Putz (Interim Dean, Online Learning)

Minutes Recorded by: M. Vanatta

College Curriculum Committee
Meeting Minutes
Tuesday, March 17, 2020
2:00 p.m. – 3:30 p.m.
Meeting held virtually via ConferZoom

Item	Discussion
1. Minutes: March 3, 2020	**Approved by consensus.**
2. Report Out from Division Reps	**Speaker: All** Articulation: Provided update related to COVID-19 and UC schools. UC campuses will be as flexible as possible re: admission requirements/ selection criteria, but will vary by campus/school/major. Some might be more stringent than others. UCOP transfer team consulting with UC campuses re: lab science courses; Gilstrap should receive an update today. Has contacted CSU Chancellor's Office re: lab science courses but hasn't received a response yet. Counseling: Providing phone and Zoom appointments to students; all forms are now fillable to be sent electronically to students. SRC: Working on Title 5 updates. BSS: Working to support faculty to move classes online, particularly labs. Working on Title 5 updates. PSME: Already have been working on Title 5 updates. Division has mostly suspended regular operations to deal with current move to online classes. Library: Working hard to support move to online classes; important, most current information on library's website. Had planned to remain open but is now closed. Working to help faculty digitize course materials. Language Arts: New noncredit certificate on today's agenda. Working on streamlining literature offerings. Working on Title 5 updates. Kinesiology: No updates to report. Fine Arts: One rep is volunteering to help faculty who are new to teaching online (e.g., moving content to Canvas). Has found students to be open-minded about classes being moved online. Bio Health: Working to figure out labs and clinics for spring quarter. Working on Title 5 updates. Working on new certificate. Apprenticeship: Working to get faculty at training centers on Canvas. Working on new certificates.
3. Announcements a. CORs for Update 2021-22 (Title 5 list) b. Spring Plenary Resolutions	**Speaker: Eric Kuehnl** Vanatta compiled list of courses that need to be reviewed/updated for the 2021-22 catalog; list was emailed to reps and deans on March 11th. The deadline for the 2021-22 catalog, including Title 5 courses, will be June 19th. Draft of resolutions to be considered at ASCCC Spring Plenary. Kuehnl unsure what the plan is for Plenary—assumes will be moved to virtual meeting. Reach out to Kuehnl, Isaac Escoto, or Robert Cormia with feedback or questions.

c. Veterinary Assisting Certificate Approval	The CCCCO has approved the Veterinary Assisting Certificate of Achievement!
4. Consent Calendar a. GE Applications	**Speaker: Eric Kuehnl** The following GE applications were presented: Area VII—KINS 16A, 16B, 16C. Library rep noted response to L5 for KINS 16A, re: information competency—most KINS courses have a research component, but this application doesn't list one. Fine Arts rep on GE subcommittee and noted that applications were originally insufficient and needed to be resubmitted; subcommittee felt that resubmitted forms were sufficient enough to move forward to CCC. Library rep clarified that other two applications provide sufficient response to L5—just KINS 16A does not. Kinesiology rep will follow-up with faculty to address and resubmit application to CCC. Group agreed to pull application for KINS 16A from Consent Calendar. Motion to approve applications for KINS 16B, 16C **M/S** (Serna, Stanley). **Approved.**
5. Course Deactivation Exemption Requests	**Speaker: Eric Kuehnl** List of courses not taught in four years was distributed via email on Feb. 5th; divisions submitted requests to exempt courses, per Policy on Course Currency. Requests for the following courses were reviewed individually and voted on as a group, with the option to pull any course for an individual vote: APPT 123, 124, 125, 126, 127, 128; APSM 130, 134; ART 5C; CHLD 72; EMS 120, 200; ESLL 246; GEOG 11, 12; MATH 42; MTEC 70E, 72C; NCEL 403B; THTR 12A. Counseling rep mentioned APPT requests, noting that, on some forms, response to divison's plan for regular offering does not match response to next quarter course will be scheduled (e.g., fall vs. spring). Allen explained that new program being created with these courses; plan is to offer all of the courses within the next few years—specific quarter that each course will be offered depends on when a cohort begins the program. No discussion occurred regarding any other requests. Group declined to pull any courses to not include in vote. Motion to approve **M/S** (Schultheis, Francisco). **Approved.**
6. New Program Application: Environmental Science ADT	**Speaker: Eric Kuehnl** Second read of new Environmental Science ADT. PSME rep made a general comment, expressing the need for substantive discussions regarding the push to create new ADTs. Acknowledged that when ADTs first created there was a legitimate push to offer as many as possible, but situation is different now that enrollment is declining. When a new ADT is created we are locked in to offering the listed courses—this might take away from offering courses needed by a larger group of students (e.g., ENGL 1A). Believes this would be a worthwhile conversation for CCC to have. Lee agreed and mentioned Guided Pathways, temporarily on hiatus; when a new ADT is crated, need to consider if we can guarantee courses will run and if we have the resources. Kuehnl agreed with importance of conversation and big picture considerations. Subramaniam echoed need for conversation. Fine Arts rep suggested using a rubric, incorporating data, when discussing new ADTs. PSME rep agreed that reviewing data important; suggested also including process to determine whether or not a program is successful. Language Arts rep stressed value in creating pathways for students to incorporate all of the courses they're already taking. Kuehnl will bring topic for discussion in the spring. BSS rep suggested administrative guidance included in discussions, as budget considerations

	and financial goals will likely influence. Bio Health rep noted that this particular ADT does fall into category of a new program that includes only courses that are already being offered. Gilstrap noted that courses listed on ADTs are mandated by the TMC template; agreed with the importance of these conversations, since program creation process is mostly decentralized. PSME rep suggested topic of marketing be included in conversations, as that process is not necessarily visible to faculty (e.g., how new programs are marketed to students); Kuehnl suggested AVP of Marketing Simon Pennington attend. Lee noted difference in marketing between CTE and non-CTE programs—CTE programs are also promoted by other groups, outside of Foothill. Motion to approve **M/S** (Gilstrap, Serna). **Approved.**
7. Sunsetting the Streamlined Certificate Process	**Speaker: Eric Kuehnl** Second read of updated Temporary Process to Streamline Certificates of Achievement, to set final deadline of June 19, 2020, for divisions to submit converted certificates using this process. Following deadline, if a division wishes to convert a certificate they would need to follow our regular program creation process. Lee mentioned the importance of communicating with De Anza when converting these certificates, as well as creating any new certificate. Noted recent issue of De Anza asking for better/earlier notice when we're creating a new certificate. Vanatta will email updated Division Certificate Report to each division that still offers non-transcriptable certificates. Motion to approve **M/S** (Francisco, Subramaniam). **Approved.**
8. New Program Application: Bridge to College Level English Noncredit Certificate	**Speaker: Eric Kuehnl** First read of new Bridge to College Level English Certificate of Competency. Language Arts rep noted that program has been in development for about a year. No comments. Second read and possible action will occur at next meeting.
9. Ad Hoc Groups	**Speaker: Eric Kuehnl** First read of three Proposals to Create New Ad Hoc Committees: Curriculum Best Practices, Foothill General Education Process, Honors Institute Course Prerequisite. Kuehnl emailed drafts to reps on March 3rd to solicit suggestions. Honors proposal: Kuehnl has incorporated feedback from Honors Institute staff. Re: Process section, Gilstrap suggested comparing previous requirements for students to enter Honors Program with current requirements, since changes have been made. Also suggested looking at what other CCs in our region are doing, to get insight. Suggested getting input from UCLA TAP and UCI Honors Program. Counseling rep agreed with these suggestions; Kuehnl agreed. Gilstrap suggested ensuring discussions include opinions from both sides of the situation—Kuehnl believes Process point A is general enough to ensure all sides are considered. Has made clear to Honors staff that discussions must include those who are in agreement and not. Noted that Structure section includes Articulation Officer, as well as faculty currently teaching honors courses (instead of all faculty). Counseling faculty suggested including honors counselors. Language Arts rep asked what "currently" means—Kuehnl says either are teaching or have a history of teaching honors courses; will change to "all honors faculty." Gilstrap suggested adding Honors Program directors—Kuehnl agreed. Gilstrap asked if there will be a set number of people in group—no. Language Arts rep asked if proposal should specify the need to include faculty from across

	disciplines—Gilstrap agreed; Counseling rep agreed. Kuehnl suggested a minimum of one person from each division; Gilstrap agreed but unsure of how many faculty interested. Counseling rep mentioned important to include both faculty who have taught honors for years and those new to teaching honors. Vanatta suggested adding language to suggest ideal faculty makeup—Kuehnl agreed to include as suggestion; he will help to ensure the faculty makeup is diverse. Bio Health rep asked if adjunct faculty may be included—yes. Re: Time Frame section, Kuehnl noted end date of June 16th, the last CCC meeting of this year. Although this is a tight time frame, believes that it is possible, and does not want it to have to extend into the fall. Curriculum Best Practices proposal: Result of discussion at CCC to gauge interest in moving to a centralized curriculum model; no interest in changing model, but need was identified to better support division reps, including the creation of a handbook. Kuehnl noted that time frame is open-ended; hope for a recommendation to come in fall. Re: Process section, Fine Arts rep noted that a handbook does exist, but is not Foothill-specific; division has been using info from it and accumulating institutional knowledge on a Canvas site for future reps to use. Kuehnl noted resources at the state level can be adapted for our use. Suggested ad hoc group speak with longtime CCC reps for suggestions and to gather best practices. BSS rep noted old Foothill handbook exists in paper form, which can be used as starting point. Language Arts rep asked if proposal should specify type of tools/ documentation that will be developed; Kuehnl said could specify (e.g., Canvas site) or simply suggest different methodologies. Fine Arts rep noted importance of gathering Canvas sites and/or resources used by divisions as a starting point; Kuehnl agreed. Language Arts rep strongly suggested not creating hard copy handbook; instead, use existing dynamic infrastructure and technological tools, such as Canvas; Kuehnl agreed. Rep asked if proposal should specify looking at divisions' processes or general college process—Kuehnl agreed should suggest surveying reps to create best practices. Doesn't believe handbook should present one as definitive approach, but rather list suggestions. Could also include section regarding college processes. Fine Arts rep suggested including CCC Orientation presentation. Language Arts rep mentioned the new program creation process being developed, asking if ad hoc group would contribute to that work—Kuehnl responded that this group will be creating best practices for how divisions might work within approved college processes, but would not be developing college processes (such as new program creation). Foothill GE proposal: Kuehnl noted goal is not to change the structure of the subcommittees, but rather to determine a process for bringing GE applications to CCC in cases where subcommittee is overloaded or does not have any members. Fine Arts rep noted the need for more people to serve on GE subcommittees, and is currently on a subcommittee that has one member on PDL; Kuehnl hoping ad hoc group will devise a recommendation on how to handle such situations. Noted this year was particularly challenging in regards to getting volunteers to serve. Re: Process section: Language Arts rep suggested adding consideration of procedure in case of overload, as well as consideration of procedure in case of lack of subcommittee members; Kuehnl agreed, noting that perhaps two processes would end up being the same. Fine Arts rep asked about course substitution forms submitted by students, noting that there are a lot of problems with the review process; Kuehnl agreed and noted will mention forms on proposal. Fine Arts rep suggested including counselors in Structure section, as they are involved in substitution process for substitution forms. Counseling rep noted those forms also go through

	Evaluations dept., so ad hoc group should consult with that dept. even if they are not members. Re: Time Frame section: Kuehnl noted goal of presenting at the final CCC meeting of this year. Language Arts rep asked when names of ad hoc group members should be gathered and if they would be listed on these proposals. Kuehnl's thought is that once the proposals are approved, chairpersons will be named and would be in charge of recruiting other members. All three proposals will be updated for second read. Second read and possible action will occur at next meeting.
10. Good of the Order	
11. Adjournment	**3:37 PM**

Attendees: Micaela Agyare (LIBR), Chris Allen (Dean, APPR), Stephanie Chan (LA), Mark Ferrer (SRC), Marnie Francisco (PSME), Evan Gilstrap (Articulation Officer), Hilary Gomes (FA), Allison Herman (LA), Marc Knobel (PSME), Eric Kuehnl (Faculty Co-Chair), Debbie Lee (Acting Dean, FA & KA), Dokesha Meacham (CNSL), Allison Meezan (BSS), Ché Meneses (FA), Ron Painter (PSME), Lisa Schultheis (BH), Lety Serna (CNSL), Matt Stanley (KA), Ram Subramaniam (Dean, BH & PSME), Nick Tuttle (BSS), Mary Vanatta (Curriculum Coordinator), Anand Venkataraman (PSME)

Minutes Recorded by: M. Vanatta

4/21/20

FOOTHILL COLLEGE
GENERAL EDUCATION & GRADUATION REQUIREMENTS 2020-2021

Area I - Humanities
ART 1, 2A, 2AH, 2B, 2BH, 2C, 2E, 2F, 2J, 4A, 4G, 5A, 5B, 20B, 45B; CRWR 6, 25A, 39A, 41A; DANC 10; ENGL 5, 7, 12, 14, 16, 17, 18A, 22, 24, 31, 34C, 37, 38, 40, 41, 43A, 43AH, 43B, 43BH, 45A, 45AH, 45B, 45BH, 47A, 47AH, 47B, 47BH, 49; GID 1; HUMN 1, 1H, 2, 3, 3H, 4, 4H, 5, 5H, 6, 7, 7H, 8, 9; JAPN 14A, 14B; MDIA 1, 1H, 2A, 2B, 2C, 4, 7, 11, 11H, 13; MUS 1, 2A, 2AH, 2B, 2BH, 2C, 2CH, 2D, 2F, 7, 7D, 7F, 8, 8H, 11D, 11E, 11F; PHIL 2, 4, 11, 12, 20A, 20B, 24, 25; PHOT 5, 8, 8H, 10, 10H, 11, 11H; SPAN 4, 5, 6, 13A, 13B, 14A, 14B; THTR 1, 2A, 2B, 2F, 8, 12A, 26.

Area II - English
ENGL 1A, 1AH, 1S & 1T. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area II.

Area III - Natural Sciences (with laboratory)
ANTH 1 w/1L, 1H w/1HL, 13 w/13L; ASTR 10A w/10L, 10B w/10L, 10BH w/10L; BIOL 9 w/9L, 10, 13, 14, 15, 41; CHEM 1A, 1AH, 9, 25, 30A; GEOG 1; PHYS 2A, 4A; PSE 20. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area III.

Area IV - Social & Behavioral Sciences
ANTH 2A, 2AH, 2B, 3, 5, 8, 12, 14, 15, 20, 22; BUSI 22, 22H, 53; CHLD 1, 2; ECON 1A, 1B, 9, 9H, 25; GEOG 2, 5, 10; HIST 3A, 3B, 3C, 4A, 4B, 4C, 4CH, 8, 10, 17A, 17B, 17C, 17CH, 18, 20; KINS 2, 10, 51; POLI 1, 3, 3H, 9, 9H, 15, 15H; PSYC 1, 1H, 4, 9, 10, 14, 21, 22, 25, 30, 33, 40, 49; SOC 1, 1H, 10, 11, 15, 19, 20, 23, 28, 30, 40, 45; SPED 2; WMN 5, 21. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area IV.

Area V - Communication & Analytical Thinking
COMM 1A, 1AH, 1B, 1BH, 2, 3, 4, 55; C S 1A, 1AH, 1B, 1C, 2A, 2B, 2C, 3A, 18; ENGL 1B, 1BH, 50C; GEOG 11; GIST 11; MATH 1A, 1AH, 1B, 1BH, 1C, 10, 12, 17, 22, 44, 48A, 48B, 48C; MDIA 3; PHIL 1, 7; PSYC 7; SOC 7.

Area VI - United States Cultures & Communities
CHLD 51A; COMM 10, 12; ENGL 7, 12, 40, 45A, 45AH, 45B, 45BH; HIST 10; MDIA 8A, 12; MUS 8, 8H; PHOT 8, 8H; PSYC 22; SOC 8, 23; SPED 1; THTR 8; WMN 5.

Area VII - Lifelong Learning
The student must successfully complete a total of four units or more in lifelong learning from two different academic departments. For the purpose of this area, ATHL, DANC, PHDA and PHED will be considered one academic department.
ATHL 4, 4A, 4B, 4C, 4E, 4F, 11, 11A, 11B, 12, 12A, 12B, 12E, 21, 21A, 21B, 21C, 21F, 22, 22A, 22B, 22C, 22F, 31, 31A, 31B, 31C, 31E, 31F, 32, 32A, 32C, 32F, 33, 33A, 33B, 33C, 33F, 41A, 41B, 42, 42B, 42C, 42F, 44, 44A, 44B, 44C, 44F, 45, 45A, 45B, 45C, 45F; BIOL 8, 9, 12, 81; CNSL 1, 52, 56, 72, 90; COMM 2, 10, 12, 55; CRLP 7, 73, 74; DANC 1A, 1B, 1C, 2A, 2B, 3A, 3B, 4A, 4B, 4C, 6, 7, 13A, 13B, 14, 18A, 18B; HLTH 20, 21, 22, 23; KINS 4, *16A**, 16B, 16C; LIBR 10, 10H; PHDA 15A, 15B, 15C, 16, 17, 18, 20, 21A, 21B, 23, 24, 25; PHED 10A, 10B, 10C, 11A, 11B, 11C, 13, 13A, 13C, 14, 15A, 15B, 15C, 17A, 17B, 18, 18B, 18C, 19B, 19C, 19D, 20A, 20B, 21, 21A, 21B, 21C, 21D, 21E, 22, 22A, 22B, 22C, 22E, 23A, 23B, 24, 24A, 24C, 24D, 25A,

4/21/20
25B, 26, 26A, 26C, 27, 27A, 27B, 27C, 31A, 31B, 31C, 33, 33A, 33B, 36A, 36B, 36C, 37, 37A, 37B, 38A, 38B, 38C, 40, 40A, 40C, 41, 41A, 41B, 42, 43A, 45, 45A, 45C, 46, 46A, 46B, 47B, 47C, 49A, 49B; PSYC 49; SOC 19, 40; SPED 1.

**Note that the GE application for KINS 16A is included on the 4/21/20 CCC agenda for approval. If it is not approved, it will not be included on the 2020-21 GE list.*

Minimum proficiency: ENGL 1A or 1AH or 1S & 1T; MATH 105* or 180 or any MATH course approved for Foothill GE Area V, Communication & Analytical Thinking.

**Intermediate Algebra or equivalent means MATH 105 or completion of a higher-level course with a grade of "C" or better.*

4/21/20

FOOTHILL COLLEGE
GENERAL EDUCATION & GRADUATION REQUIREMENTS 2020-2021

- ~~Crossed-out courses in red~~ are inactive and will be removed from the 2020-21 GE list.
- Courses highlighted in yellow are new additions for 2020-21.

Area I - Humanities
ART 1, 2A, 2AH, 2B, 2BH, 2C, 2E, 2F, 2J, 4A, 4G, 5A, 5B, 20B, ~~36~~, 45B; CRWR 6, 25A, 39A, 41A; DANC 10; ENGL 5, 7, 12, 14, 16, 17, 18A, 22, 24, 31, 34C, 37, 38, 40, 41, 43A, 43AH, 43B, 43BH, 45A, 45AH, 45B, 45BH, 47A, 47AH, 47B, 47BH, 49; GID 1; HUMN 1, 1H, 2, 3, 3H, 4, 4H, 5, 5H, 6, 7, 7H, 8, 9; JAPN 14A, 14B; MDIA 1, 1H, 2A, 2B, 2C, 4, 7, 11, 11H, 13; MUS 1, 2A, 2AH, 2B, 2BH, 2C, 2CH, 2D, 2F, 7, 7D, 7F, 8, 8H, 11D, 11E, 11F; PHIL 2, 4, 11, 12, 20A, 20B, 24, 25; PHOT 5, 8, 8H, 10, 10H, 11, 11H; SPAN 4, 5, 6, 13A, 13B, 14A, 14B; THTR 1, 2A, 2B, 2F, 8, 12A, 26.

Area II - English
ENGL 1A, 1AH, 1S & 1T. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area II.

Area III - Natural Sciences (with laboratory)
ANTH 1 w/1L, 1H w/1HL, 13 w/13L; ASTR 10A w/10L, 10B w/10L, 10BH w/10L; BIOL 9 w/9L, 10, 13, 14, 15, 41; CHEM 1A, 1AH, 9, ~~20~~, 25, 30A; GEOG 1; PHYS 2A, 4A; PSE 20. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area III.

Area IV - Social & Behavioral Sciences
ANTH 2A, 2AH, 2B, 3, 5, 8, 12, 14, 15, 20, 22; BUSI 22, 22H, 53; CHLD 1, 2; ECON 1A, 1B, 9, 9H, 25; GEOG 2, 5, 10; HIST 3A, 3B, 3C, 4A, 4B, 4C, 4CH, 8, ~~9, 9H~~, 10, 17A, 17B, 17C, 17CH, 18, 20; KINS 2, 10, 51; POLI 1, 3, 3H, 9, 9H, 15, 15H; PSYC 1, 1H, 4, 9, 10, 14, 21, 22, 25, 30, 33, 40, 49; SOC 1, 1H, 10, 11, 15, 19, 20, 23, 28, 30, 40, 45; SPED 2; WMN 5, 21. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area IV.

Area V - Communication & Analytical Thinking
COMM 1A, 1AH, 1B, 1BH, 2, 3, 4, 55; C S 1A, 1AH, 1B, 1C, 2A, ~~2AH~~, 2B, 2C, 3A, 18; ENGL 1B, 1BH, 50C; GEOG 11; GIST 11; MATH 1A, 1AH, 1B, 1BH, 1C, 10, 12, 17, 22, 44, 48A, 48B, 48C; MDIA 3; PHIL 1, 7, ~~30~~; PSYC 7; SOC 7.

Area VI - United States Cultures & Communities
CHLD 51A; COMM 10, 12; ENGL 7, 12, 40, 45A, 45AH, 45B, 45BH; HIST 10; MDIA 8A, 12; MUS 8, 8H; PHOT 8, 8H; PSYC 22; SOC 8, 23; SPED 1; THTR 8; WMN 5.

Area VII - Lifelong Learning
The student must successfully complete a total of four units or more in lifelong learning from two different academic departments. For the purpose of this area, ATHL, DANC, PHDA and PHED will be considered one academic department.
ATHL 4, 4A, 4B, 4C, 4E, 4F, 11, 11A, 11B, ~~11E~~, 12, 12A, 12B, 12E, 21, 21A, 21B, 21C, 21F, 22, 22A, 22B, 22C, 22F, 31, 31A, 31B, 31C, 31E, 31F, 32, 32A, 32C, 32F, 33, 33A, 33B, 33C, 33F, ~~41~~, 41A, 41B, ~~41C, 41D~~, 42, ~~42A~~, 42B, 42C, ~~42E~~, 42F, 44, 44A, 44B, 44C, 44F, 45, 45A, 45B, 45C, 45F; BIOL 8, 9, 12, 81; CNSL 1, 52,

4/21/20

56, 72, 90; COMM 2, 10, 12, 55; CRLP 7, 73, 74; DANC 1A, 1B, 1C, 2A, 2B, 3A, 3B, 4A, 4B, 4C, ~~5~~, 6, 7, 13A, 13B, 14, 18A, 18B; HLTH 20, 21, 22, 23; KINS 4, *16A**, 16B, 16C; LIBR 10, 10H; PHDA 15A, 15B, 15C, 16, 17, 18, ~~19~~, 20, 21A, 21B, 23, 24, 25; PHED 10A, 10B, 10C, 11A, 11B, 11C, 13, 13A, 13C, 14, 15A, 15B, 15C, 17A, 17B, 18, 18B, 18C, 19B, 19C, 19D, 20A, 20B, ~~20C~~, 21, 21A, 21B, 21C, 21D, 21E, 22, 22A, 22B, 22C, 22E, 23A, 23B, 24, 24A, 24C, 24D, 25A, 25B, 26, 26A, 26C, 27, 27A, 27B, 27C, 31A, 31B, 31C, ~~32C~~, 33, 33A, 33B, 36A, 36B, 36C, 37, 37A, 37B, 38A, 38B, 38C, 40, 40A, 40C, 41, 41A, 41B, 42, 43A, 45, 45A, 45C, 46, 46A, 46B, 47B, 47C, 49A, 49B; PSYC 49; SOC 19, 40; SPED 1.

**Note that the GE application for KINS 16A is included on the 4/21/20 CCC agenda for approval. If it is not approved, it will not be included on the 2020-21 GE list.*

Minimum proficiency: ENGL 1A or 1AH or 1S & 1T; MATH 105* or 180 or any MATH course approved for Foothill GE Area V, Communication & Analytical Thinking.

**Intermediate Algebra or equivalent means MATH 105 or completion of a higher-level course with a grade of "C" or better.*

Streamlined Certificate Applications

Below is a list of the non-transcriptable certificates that are ready for CCC review/approval. Each certificate listed has been approved by the division curriculum committee, and the state-required narrative is ready for submission to the state.

Apprenticeship Division

Certificate Title	Current Units	New Units	TOP Code	Local or Workforce	Rationale for Change in Units (if applicable)
Residential Electrician Career Certificate - *title will change to Residential Wireman*	18	18	0952.20	Workforce	N/A
Sound and Communication Installer Career Certificate	22	22	0952.20	Workforce	N/A

Fine Arts & Communication Division

Certificate Title	Current Units	New Units	TOP Code	Local or Workforce	Rationale for Change in Units (if applicable)
Audio Post Production Certificate of Proficiency	16	16	0612.20	Workforce	N/A
Game Audio Certificate of Proficiency* - *title will change to Game Audio I*	20	16	0614.20	Workforce	Removing DAW requirement to accommodate students from different backgrounds
Songwriting Certificate of Proficiency	20	16	1005.00	Workforce	Removing music business requirement to avoid redundancy with Music Business CA

**A Game Audio Certificate of Achievement (36 units) is already approved by the state; if the division wishes to submit this as a low-unit certificate of achievement, it will be in addition to the 36-unit certificate.*

Foothill College
Credit Program Narrative
Certificate of Achievement in Residential Wireman

Item 1. Program Goals and Objectives

The Residential Wireman program is offered in partnership with Santa Clara County Electrical Joint Apprenticeship Training Committee. The goal of this program is to train registered apprentices on how to install and connect electrical systems in homes, condos and apartments, and how to maintain basic electrical and power distribution systems within a residential environment.

Program Learning Outcomes:

- Students will be able to identify the tools and the materials used in residential wiring, to calculate values using Ohm's Law in D/C series, parallel and combination circuits, to identify architectural and mechanical symbols on residential drawings, and to read and to analyze blueprints, diagram structured wiring systems.

Item 2. Catalog Description

The Residential Wireman program is offered in partnership with Santa Clara County Electrical Joint Apprenticeship Training Committee. This 3-year apprenticeship program provides students with paid on-the-job training and in-class instruction with no tuition fee. The students will learn how to install and connect electrical systems in homes, condos and apartments, and how to maintain basic electrical and power distribution systems within a residential environment.

Per California Code of Regulations, this program is limited to students admitted to the Electrical Apprenticeship Program; students are registered State indentured apprentices.

Upon completion of all course requirements and 4000 hours, graduates will be eligible for the State certificated Electrician and will be eligible to receive a Certificate of Achievement in Residential Wireman from Foothill College and an Apprenticeship Completion Certificate from the California Division of Apprenticeship Standards (DAS). Depending on the student's career interest, graduates find employment as residential electrician, foreman, contractor, and educator.

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Core Courses (18 units)	APEL 135	Residential Electrical Orientation; Safety & Code Introduction	3	Year 1, Fall
	APEL 136	Residential Electrical D/C Theory; Blueprint Reading	3	Year 1, Winter
	APEL 137	Residential Electrical A/C Theory & Circuitry	3	Year 2, Fall

	APEL 138	Residential Wiring Layout & Installation	3	Year 2, Winter
	APEL 112	Residential Electrical Air Conditioning & Refrigeration; Telephone Systems	3	Year 3, Fall
	APEL 113	Residential Electrical Systems: Basic Security, Solar Power, Home Automation & Life Safety	3	Year 3, Winter

TOTAL UNITS: 18 units

Proposed Sequence:
Year 1, Fall = 3 units
Year 1, Winter = 3 units
Year 2, Fall = 3 units
Year 2, Winter = 3 units
Year 3, Fall = 3 units
Year 3, Winter = 3 units

TOTAL UNITS: 18 units

Item 4. Master Planning

Certificate of Achievement in Residential Wireman aligns with the Foothill College Mission statement well because it trains and prepares students a career in the residential electrical industry. In addition to in-class instruction, students gain real work experience and acquire skills by working with experienced foremen, journeypersons, and senior apprentices in the field. Because of the comprehensive training the students receive, ninety-three to ninety-eight percentage of them have successfully achieved their academic goals, work in the electrical industry, and make living wages and receive health and fringe benefits for them and their families.

Item 5. Enrollment and Completer Projections

The Residential Wireman program currently has 111 students enrolled. The retention rate for the program is between 93 to 98 percentage. Thus, we project to have 63 to 68 students completed the program in 2021–2022. After five years, we project to have about 180 students graduated from the program. The projection is based on the current enrollment and construction projects available in Santa Clara county.

		Year 1 (2018-2019)		Year 2 (2019-2020)	
Course #	**Course Title**	**Annual Sections**	**Annual Enrollment**	**Annual Sections**	**Annual Enrollment**
APEL 135	Residential Electrical Orientation; Safety & Code Introduction	4	58	2	24
APEL 136	Residential Electrical D/C Theory; Blueprint Reading	6	73	2	26

APEL 137	Residential Electrical A/C Theory & Circuitry	none	none	5	68
APEL 138	Residential Wiring Layout & Installation	none	none	5	67
APEL 112	Residential Electrical Air Conditioning & Refrigeration; Telephone Systems	1	13	none	none
APEL 113	Residential Electrical Systems: Basic Security, Solar Power, Home Automation & Life Safety	1	12	none	none

Item 6. Place of Program in Curriculum/Similar Programs

Many Residential students have to opportunity to transition into the Inside Wireman program after graduating from the Residential program. It's a pathway for students to advance in their careers and make more money.

Item 7. Similar Programs at Other Colleges in Service Area

There are no other programs similar to this one in Foothill's service area and out of the service area because our program is a state registered apprenticeship program.

Additional Information Required for State Submission:

TOP Code: 0952.20 - Electrical

Annual Completers: 20–25

Net Annual Labor Demand: 2918

Faculty Workload: 2.5

New Faculty Positions: 0

New Equipment: 0

New/Remodeled Facilities: 0

Library Acquisitions: 0

Gainful Employment: Yes

Program Review Date: December 2022

Distance Education: 0%

Residential Wireman Occupations
Labor Market Information Report
Foothill College College

Prepared by the San Francisco Bay Center of Excellence
for Labor Market Research
March 2020

Recommendation

Based on all available data, there appears to be an undersupply of Residential Wireman workers compared to the demand for this cluster of occupations in the Bay region and in the Silicon Valley sub-region (Santa Clara County). There is a projected annual gap of about 2,918 students in the Bay region and 631 students in the Silicon Valley Sub-Region.

This report also provides student outcomes data on employment and earnings for programs on 0952.20 - Electrical in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Foothill College and in the region.

Introduction

This report profiles Residential Wireman Occupations in the 12 county Bay region and in the Silicon Valley sub-region for the review of an existing program at Foothill College.

- **Electricians (SOC 47-2111):** Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems. Excludes "Security and Fire Alarm Systems Installers" (49-2098).
  Entry-Level Educational Requirement: High school *diploma or equivalent*
  Training Requirement: Apprenticeship
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 47%

- **Helpers--Electricians (SOC 47-3013):** Help electricians by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Construction laborers who do not primarily assist electricians are classified under "Construction Laborers" (47-2061). Apprentice workers are classified with the appropriate skilled construction trade occupation (47-2011 through 47-2231).
  Entry-Level Educational Requirement: High *school* diploma *or equivalent*
  Training Requirement: Short-term *on-the-job training*
  Percentage of Community College Award Holders *or Some Postsecondary Coursework: 21%*

- **Electrical and Electronics Installers and Repairers, Transportation Equipment (SOC 49-2093):** Install, adjust, or maintain mobile electronics communication equipment, including sound, sonar, security, navigation, and surveillance systems on trains, watercraft, or other mobile equipment. Excludes "Avionics Technicians" (49-2091) and "Electronic Equipment Installers and Repairers, Motor Vehicles" (49-2096).
  Entry-Level *Educational Requirement: Postsecondary nondegree award*
  Training Requirement: Long-term *on-the-job training*
  Percentage of Community College Award Holders or Some *Postsecondary Coursework: 51%*

Occupational Demand

Table 1. Employment Outlook for Residential Wireman Occupations in Bay Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Electricians	20,279	22,652	2,374	12%	14,126	2,825	$19.93	$36.47
Helpers--Electricians	1,040	1,257	217	21%	1,016	203	$13.20	$21.25
Electrical and Electronics Installers and Repairers, Transportation Equipment	426	434	8	2%	197	39	$24.12	$32.82
Total	**21,745**	**24,343**	**2,599**	**12%**	**15,339**	**3,068**	**$19.69**	**$35.67**

Source: EMSI 2019.4

Bay Region includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Residential Wireman Occupations in Silicon Valley Sub-Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Electricians	5,369	5,851	483	9%	3,538	708	$20.34	$34.34
Helpers--Electricians	354	403	49	14%	313	63	$17.40	$25.34
Electrical and Electronics Installers and Repairers, Transportation Equipment	31	33	2	5%	15	3	$26.64	$37.44
Total	**5,754**	**6,288**	**534**	**9%**	**3,866**	**773**	**$20.19**	**$33.80**

Source: EMSI 2019.4

Silicon Valley Sub-Region includes Santa Clara County

Educational Supply

There are three (3) community colleges in the Bay Region issuing 150 awards on average annually (last 3 years) on TOP 0952.20 – Electrical. There is one college (Foothill College) in the Silicon Valley Sub-Region issuing 142 awards on average annually (last 3 years) on this TOP code.

Table 7. Awards on TOP 0952.20 - Electrical in Bay Region

College	Sub-Region	Associates	Certificate 18+ Units	Certificate Low Unit	Total
City College of San Francisco	Mid-Peninsula			3	3
College of San Mateo	Mid-Peninsula		5		5
Foothill College	Silicon Valley	2	89	51	142
Total Bay Region		**2**	**94**	**54**	**150**
Total Silicon Valley Sub-Region		**2**	**89**	**51**	**142**

Source: Data Mart

Note: The annual average for awards is 2015-16 to 2017-18.

Gap Analysis

Based on the data included in this report, there is a large labor market gap in the Bay region with 3,068 annual openings for the Residential Wireman occupational cluster and 150 annual (3-year average) awards for an annual undersupply of 2,918 students. In the Silicon Valley Sub-Region, there is also a gap with 773 annual openings and 142 annual (3-year average) awards for an annual undersupply of 631 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0952.20 - Electrical

2015-16	Bay (All CTE Programs)	Foothill College (All CTE Programs)	State (0952.20)	Bay (0952.20)	Silicon Valley (0952.20)	Foothill College (0952.20)
% Employed Four Quarters After Exit	74%	77%	79%	82%	83%	89%
Median Quarterly Earnings Two Quarters After Exit	$10,550	$15,301	$13,572	$21,301	23,136	$26,048
Median % Change in Earnings	46%	82%	72%	83%	88%	89%
% of Students Earning a Living Wage	63%	76%	74%	83%	85%	89%

Source: Launchboard Pipeline (version available on 3/6/20)

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

Sources

O*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
CTE LaunchBoard www.calpassplus.org/Launchboard/
Statewide CTE Outcomes Survey
Employment Development Department Unemployment Insurance Dataset
Living Insight Center for Community Economic Development
Chancellor's Office MIS system

Contacts

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- John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, jcarrese@ccsf.edu or (415) 267-6544

Foothill College
Credit Program Narrative
Certificate of Achievement in Sound and Communication Installer

Item 1. Program Goals and Objectives

The Sound and Communication Installer program is offered in partnership with the Northern California Sound and Communication Joint Apprenticeship Training Committee. The program goal and objective are to offer a solid career opportunity with livable wages along with retirement and health benefits and provide a highly trained and skilled workforce for students/apprentices in the low voltage electrical industry in Northern California.

Program Learning Outcomes:

- Students will be able to work on sound and communication systems, to include voice systems, data systems, video systems, fire alarm systems, intrusion systems, access control systems, data networking systems, cabling and automation systems.

Item 2. Catalog Description

The Sound and Communication Installer program is offered in partnership with the Northern California Sound and Communication Joint Apprenticeship Training Committee. This 3-year registered apprenticeship program provides students with supplemental in-class and online instructions and paid on-the-job training. The students learn how to install and service sound and communication systems, to include voice systems, data systems, video systems, fire alarm systems, intrusion systems, access control systems, data networking systems, audio visual systems, cabling and automation systems. It is an evolving field with exciting growth potential.

Per California Code of Regulations, this program is limited to students admitted to the Northern California Sound and Communication Joint Apprenticeship Training Committee.

Upon completion of the program, the students will be eligible to receive a Certificate of Achievement in Sound and Communication Installer from Foothill College and an Apprenticeship Completion Certificate from the California Division of Apprenticeship Standards (DAS). Depending on the student's career interest, graduates find employment as sound and communication installer/technician, telecommunication technician, foreman/supervisor, instructor, and training coordinator.

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Core Courses (22 units)	APSC 111	Job Information, Safety, Test Instruments, Structured Cabling, Fiber Optics	3.5	Year 1, Fall
	APSC 112	Codes & Practices, Connectors & Raceways, Blueprint Reading, DC Theory	3.5	Year 1, Winter
	APSC 121	AC Theory, Master Clock, Nurse Call,	3.5	Year 2, Fall

		Computer Literacy		
	APSC 122	Fire Alarm, Paging, Emergency Communication, Mass Notification Systems	3.5	Year 2, Winter
	APSC 131	VDV/Fire Life Safety Prep, Networking, CCTV, CATV & DAS	4	Year 3, Fall
	APSC 132	Radio Frequencies, Security Systems, Audio-Visual	4	Year 3, Winter

TOTAL UNITS: 22 units

Proposed Sequence:
Year 1, Fall = 3.5 units
Year 1, Winter = 3.5 units
Year 2, Fall = 3.5 units
Year 2, Winter = 3.5 units
Year 3, Fall = 4 units
Year 3, Winter = 4 units

TOTAL UNITS: 22 units

Item 4. Master Planning

The Certificate of Achievement in Sound and Communication Installer aligns with the Foothill College Mission statement well because it trains and prepares students for a career in the low voltage electrical industry. In addition to hybrid instruction, students gain real work experience and acquire skills by working with other apprentices, experienced installers, technicians, and senior technicians in the field. Because of the comprehensive training the students receive, eighty-five to ninety percentage of them have successfully achieved their academic goals and work in the sound and communication industry. Many of the graduates leverage the knowledge and experience they have gained from this program and transition into a more challenging career, such as project supervisors, project managers and contractors. As a college, we want to promote lifelong learning. We want students to come back and earn more credentials, so that they can be more marketable in the workforce arena.

Item 5. Enrollment and Completer Projections

We are hoping to have about 67 students graduated in 2019-2020 with a Certificate of Achievement. After five years, we project to have around 360 students graduated from the program. The projections are based on our current enrollment and current construction projects in progress in Northern California, covering 44 counties.

		Year 1 (2019-20)		Year 2 (2018-19)	
Course #	**Course Title**	**Annual Sections**	**Annual Enrollment**	**Annual Sections**	**Annual Enrollment**

APSC 111	Job Information, Safety, Test Instruments, Structured Cabling, Fiber Optics	9	108	9	75
APSC 112	Codes & Practices, Connectors & Raceways, Blueprint Reading, DC Theory	8	88	8	65
APSC 121	AC Theory, Master Clock, Nurse Call, Computer Literacy	7	61	8	80
APSC 122	Fire Alarm, Paging, Emergency Communication, Mass Notification Systems	6	57	8	77
APSC 131	VDV/Fire Life Safety Prep, Networking, CCTV, CATV & DAS	8	66	9	103
APSC 132	Radio Frequencies, Security Systems, Audio-Visual	7	67	9	102

Item 6. Place of Program in Curriculum/Similar Programs

This program is an addition to our existing CTE programs and registered apprenticeship programs.

Item 7. Similar Programs at Other Colleges in Service Area

This is a unique registered apprenticeship program that serves 44 counties in Northern California.

Additional Information Required for State Submission:

TOP Code: 0952.20 - Electrical

Annual Completers: 60-67

Net Annual Labor Demand: 805

Faculty Workload: 5

New Faculty Positions: 0

New Equipment: 0

New/Remodeled Facilities: 0

Library Acquisitions: 0

Gainful Employment: Yes

Program Review Date: December 2022

Distance Education: 50-99%

Information Technology
Sound and Communication Occupations
Labor Market Information Report
Foothill College

Prepared by the San Francisco Bay Center of Excellence
for Labor Market Research
March 2020

Recommendation

Based on all available data, there appears to be an undersupply of Information Technology Sound and Communication workers compared to the demand for this cluster of occupations in the Bay region and in the Silicon Valley sub-region (Santa Clara County). There is a projected annual gap of about 1,127 students in the Bay region and 303 students in the Silicon Valley Sub-Region.

This report also provides student outcomes data on employment and earnings for programs on TOP 0708.10 - Computer Networking in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Foothill College and in the region.

Introduction

This report profiles Information Technology Sound and Communication Occupations in the 12 county Bay region and in the Silicon Valley sub-region for a program modification at Foothill College.

- **Sound Engineering Technicians (SOC 27-4014):** Operate machines and equipment to record, synchronize, mix, or reproduce music, voices, or sound effects in sporting arenas, theater productions, recording studios, or movie and video productions.
  Entry-Level Educational Requirement: Postsecondary nondegree *award*
  Training Requirement: Short-term *on-the-job training*
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 46%

- **Audio and Video Equipment Technicians (SOC 27-4011):** Set up, or set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards, and related electronic equipment for concerts, sports events, meetings and conventions, presentations, and news conferences. May also set up and operate associated spotlights and other custom lighting systems. Excludes "Sound Engineering Technicians" (27-4014).
  Entry-Level Educational Requirement: Postsecondary *nondegree* award
  Training Requirement: Short-term *on-the-job training*
  Percentage of Community College Award Holders *or Some Postsecondary Coursework: 46%*

- **Telecommunications Equipment Installers and Repairers, Except Line Installers (SOC 49-2022):** Install, set-up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings. Excludes "Telecommunications Line Installers and Repairers" (49-9052).

Entry-Level *Educational Requirement: Postsecondary nondegree award*
Training Requirement: Moderate-term *on-the-job training*
Percentage of Community College Award Holders or Some *Postsecondary Coursework: 52%*

Occupational Demand

Table 1. Employment Outlook for Information Technology Sound and Communication Occupations in Bay Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Sound Engineering Technicians	837	837	-1	0%	477	95	$20.41	$32.08
Audio and Video Equipment Technicians	3,468	3,783	315	9%	2,264	453	$19.00	$25.72
Telecommunications Equipment Installers and Repairers, Except Line Installers	6,841	6,733	-107	-2%	4,024	805	$22.07	$29.23
Total	**11,147**	**11,353**	**206**	**2%**	**6,765**	**1,353**	**$20.99**	**$28.35**

Source: EMSI 2019.4
Bay Region includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Information Technology Sound and Communication Occupations in Silicon Valley Sub-Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Sound Engineering Technicians	115	126	12	10%	78	16	$30.14	$36.44
Audio and Video Equipment Technicians	643	720	77	12%	439	88	$18.45	$24.25
Telecommunications Equipment Installers and Repairers, Except Line Installers	2,310	2,324	15	1%	1,346	269	$21.02	$27.14
TOTAL	**3,067**	**3,171**	**104**	**3%**	**1,863**	**373**	**$20.82**	**$26.88**

Source: EMSI 2019.4
Silicon Valley Sub-Region includes Santa Clara County

Educational Supply

There are 15 community colleges in the Bay Region issuing 226 awards on average annually (last 3 years) on TOP 07081.10 - Computer Networking. There are four colleges in the Silicon Valley Sub-Region issuing 70 awards on average annually (last 3 years) on this TOP code.

Table 7. Awards on 07081.10 - Computer Networking in Bay Region

College	Sub-Region	Associates	Certificate 18+ Units	Certificate Low Unit	Total
Cabrillo College	Santa Cruz-Monterey	3			3
City College of San Francisco	Mid-Peninsula		1	48	49
Contra Costa College	East Bay	3		13	16
De Anza College	Silicon Valley	13	3	8	24
Diablo Valley College	East Bay	7	2		9
Foothill College	Silicon Valley	1			1
Gavilan College	Santa Cruz-Monterey	4	2		6
Las Positas College	East Bay	4	1		5
Los Medanos College	East Bay	8	5	3	16

Mission College	Silicon Valley	14	6	9	29
Monterey Peninsula College	Santa Cruz-Monterey		1	1	2
Ohlone College	East Bay	3	4	12	19
San Jose City College	Silicon Valley	8	6	2	16
Santa Rosa Junior College	North Bay			23	23
Skyline College	Mid-Peninsula	7	1		8
Total Bay Region		**75**	**31**	**120**	**226**
Total Silicon Valley Sub-Region		**36**	**15**	**19**	**70**

Source: Data Mart

Note: The annual average for awards is 2015-16 to 2017-18.

Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 1,353 annual openings for the Information Technology Sound and Communication occupational cluster and 226 annual (3-year average) awards for an annual undersupply of 1,127 students. In the Silicon Valley Sub-Region, there is also a gap with 373 annual openings and 70 annual (3-year average) awards for an annual undersupply of 303 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0708.10 - Computer Networking

2015-16	Bay (All CTE Programs)	Foothill College (All CTE Programs)	State (0708.10)	Bay (0708.10)	Silicon Valley (0708.10)	Foothill College (0708.10)
% Employed Four Quarters After Exit	74%	77%	72%	74%	77%	n/a
Median Quarterly Earnings Two Quarters After Exit	$10,550	$15,301	$11,383	$13,397	$15,412	n/a
Median % Change in Earnings	46%	82%	40%	45%	55%	n/a
% of Students Earning a Living Wage	63%	76%	70%	74%	81%	n/a

Source: Launchboard Pipeline (version available on 3/9/20)

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

Sources

O*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
CTE LaunchBoard www.calpassplus.org/Launchboard/
Statewide CTE Outcomes Survey
Employment Development Department Unemployment Insurance Dataset
Living Insight Center for Community Economic Development
Chancellor's Office MIS system

Contacts

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- John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, jcarrese@ccsf.edu or (415) 267-6544

FOOTHILL COLLEGE
Credit Program Narrative
Certificate of Achievement in Audio Post Production

Item 1. Program Goals and Objectives

The Certificate of Achievement in Audio Post Production prepares students to be competent creators of audio content for film and television while providing the opportunity to gain skills necessary to advance their careers.

Program Learning Outcomes:

- Apply basic principles of audio engineering, sound design, and music composition to create audio content for film and television.
- Execute an original audio post production project under the supervision of faculty or a professional mentor.

Item 2. Catalog Description

The Certificate of Achievement in Audio Post Production provides opportunities for career preparation by providing courses that meet workforce needs. Audio post production content development skills are highly desirable not only in the film and television industries, but also in related industries including sound design for games, music composition for games, theatre sound, and sound for interactive media. The program provides a solid technical background in audio post production concepts and applications including dialog recording, Foley recording, field recording, sound effects design, sound library management, and music composition. The outcomes of the program align with industry standards for audio post production careers. Furthermore, the courses in this certificate will scale up to additional Certificates of Achievement and the AA degree in Music Technology.

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Required Core (12 units)	MTEC 70A	Pro Tools 101-Avid Certification	4	Yr 1, Fall
	MTEC 70B	Pro Tools 110-Avid Certification	4	Yr 1, Winter
	MTEC 57B	Surround Sound Production	4	Yr 1, Spring
Restricted Electives (4 units)	MTEC 57A	Sound Design for Film & Video	4	Yr 1, Winter
	or			
	MDIA 81B	Sound Design for Film & Video	4	Yr 1, Winter

TOTAL UNITS: 16 units

Proposed Sequence:
Year 1, Fall = 4 units
Year 1, Winter = 8 units
Year 1, Spring = 4 units
TOTAL UNITS: 16 units

Item 4. Master Planning

The Certificate of Achievement in Audio Post Production aligns with the planned goals for Foothill College because the program serves the regional area in support of workforce development and economic growth. The program is new and does not duplicate any already-existing program within the Foothill-De Anza District or the surrounding colleges.

There is currently an out-of-state college, Berklee College of Music, that offers an online certificate. Their program is strictly offered online and the students are charged considerably higher tuition, $467/credit hour. Offering our Certificate of Achievement in Audio Post Production will benefit our students as well as the industry, locally and statewide.

Local references in support of the program include advisory committee members who strongly support the partnership between Foothill College and the local audio post production industry. These members have regular contact with job applicants and interns, providing a realistic understanding of the short-term and long-term educational needs of the industry.

Item 5. Enrollment and Completer Projections

The courses average 2-26 students per course. The number of projected completers per year is 12. These figures are based on the number of students completing existing Music Technology courses between the years 2017-18 and 2018-19. There is a high demand for professionals with audio post production skills in the local job market, as well as in other regions of California.

		Year 1		Year 2	
Course #	**Course Title**	**Annual Sections**	**Annual Enrollment**	**Annual Sections**	**Annual Enrollment**
MTEC 57A/ MDIA 81B	Sound Design for Film & Video	2	56	1	44
MTEC 57B	Surround Sound Production	2	11	1	10
MTEC 70A	Pro Tools 101-Avid Certification	4	104	4	79
MTEC 70B	Pro Tools 110-Avid Certification	4	50	4	40

Item 6. Place of Program in Curriculum/Similar Programs

There are currently no similar programs at Foothill College. This program fulfills a need expressed by the industry advisory board.

Item 7. Similar Programs at Other Colleges in Service Area

There are no other colleges within reasonable commuting distance that offer a similar program.

Additional Information Required for State Submission:

TOP Code: *0612.20 - Film Production*

Annual Completers: *12*

Net Annual Labor Demand: *16,200*

Faculty Workload: *0.46*

New Faculty Positions: *0*

New Equipment: *0*

New/Remodeled Facilities: *0*

Library Acquisitions: *0*

Gainful Employment: *Yes*

Program Review Date: *Fall 2021*

Distance Education: *50-99%*

ATTACH THE FOLLOWING (non-Apprenticeship)**:**

1. **Labor Market Information and Analysis**
2. **Advisory Committee Recommendation** *(includes advisory committee membership, minutes, and summary of recommendations)*
3. **Regional Consortia Approval Meeting Minutes** *(showing program recommendation)*

Audio Post Production Occupations
Labor Market Information Report
Foothill College

Prepared by the San Francisco Bay Center of Excellence
for Labor Market Research
March 2020

Recommendation

Based on all available data, there appears to be an undersupply of Audio Post Production workers compared to the demand for this cluster of occupations in the Bay region and in the Silicon Valley sub-region (Santa Clara County). There is a projected annual gap of about 3,643 students in the Bay region and 1,334 students in the Silicon Valley Sub-Region.

This report also provides student outcomes data on employment and earnings for programs on TOP 0612.20 - Film Production in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Foothill College and in the region.

Introduction

This report profiles Audio Post Production Occupations in the 12 county Bay region and in the Silicon Valley sub-region for a proposed new program at Foothill College. Labor market information (LMI) is not available at the eight-digit SOC Code level for Video Game Designers (15-1199.11), therefore, the data shown in Tables 1 and 2 is for Computer Occupations, All Other (at the six digit SOC level) and likely overstates demand for Video Game Designers. Tables 3, 4, 6, 9, 10 and 11 use job postings data from Burning Glass at the eight-digit SOC Code level for Video Game Designers (15-1199.11).

- **Sound Engineering Technicians (SOC 27-4014):** Operate machines and equipment to record, synchronize, mix, or reproduce music, voices, or sound effects in sporting arenas, theater productions, recording studios, or movie and video productions.
  Entry-Level Educational Requirement: Postsecondary nondegree *award*
  Training Requirement: Short-term *on-the-job training*
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 46%

- **Film and Video Editors (SOC 27-4032):** Edit moving images on film, video, or other media. May edit or synchronize soundtracks with images. Excludes "Sound Engineering Technicians"(27-4014).
  Entry-Level Educational Requirement: Bachelor's *degree*
  Training Requirement: None
  Percentage of Community College Award Holders *or Some Postsecondary Coursework: 27%*

- **Computer Occupations, All Other (SOC 15-1199):** All computer occupations not listed separately. Excludes "Computer and Information Systems Managers" (11-3021), "Computer Hardware Engineers" (17-2061), "Electrical and Electronics Engineers" (17-2070), "Computer Science Teachers, Postsecondary" (25-1021), "Multimedia Artists and Animators" (27-1014), "Graphic Designers" (27-1024), "Computer Operators" (43-9011), and "Computer, Automated Teller, and Office Machine Repairs" (49-2011).
  Entry-Level *Educational Requirement: Bachelor's degree*
  Training Requirement: None
  Percentage of Community College Award Holders or Some *Postsecondary Coursework: 35%*

Occupational Demand

Table 1. Employment Outlook for Audio Post Production Occupations in Bay Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Sound Engineering Technicians	837	837	-1	0%	477	95	$20.41	$32.08
Film and Video Editors	1,597	1,742	145	9%	975	195	$22.11	$32.85
Computer Occupations, All Other	34,304	38,084	3,780	11%	16,918	3,384	$40.92	$55.80
TOTAL	**36,738**	**40,663**	**3,924**	**11%**	**18,370**	**3,674**	**$39.63**	**$54.26**

Source: EMSI 2019.4

Bay Region includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Audio Post Production Occupations in Silicon Valley Sub-Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Sound Engineering Technicians	115	126	12	10%	78	16	$30.14	$36.44
Film and Video Editors	293	343	50	17%	205	41	$25.50	$39.26
Computer Occupations, All Other	12,649	14,197	1,549	12%	6,409	1,282	$46.79	$64.56
TOTAL	**13,056**	**14,666**	**1,610**	**12%**	**6,692**	**1,338**	**$46.17**	**$63.75**

Source: EMSI 2019.4

Silicon Valley Sub-Region includes Santa Clara County

Job Postings in Bay Region and Silicon Valley Sub-Region

Table 3. Number of Job Postings by Occupation for latest 12 months (February 2019 - January 2020)

Occupation	Bay Region	Silicon Valley
Video Game Designers	1,146	367
Sound Engineering Technicians	389	180
Film and Video Editors	179	49
TOTAL	**1,714**	**596**

Source: Burning Glass

Table 4a. Top Job Titles for Audio Post Production Occupations for latest 12 months (February 2019 - January 2020) Bay Region

Common Title	Bay	Common Title	Bay
Video Editor	166	Sap Pm	16
Game Designer	87	Technical Pm	15
Senior Engineer	65	Developer	14
Engineer	48	Technology	13
Audio Engineer	28	Hardware Engineer	13
Theater Technician	27	Guide	12
Head, Infrastructure	27	Technology Evangelist	11
Environment Artist	25	Concept Artist	11
Lead Engineer	24	Senior Concept Artist	10
Sap Apo	23	Mechanic	10
Systems Engineer	20	Lead Environment Artist	10
Gameplay Engineer	19	Firmware Engineer	10
Content Creator	19	Director, CRM	9
Senior Environment Artist	17	Test Engineer	8

Table 4b. Top Job Titles for Audio Post Production Occupations for latest 12 months (February 2019 - January 2020) Silicon Valley Sub-Region

Common Title	Silicon Valley	Common Title	Silicon Valley
Video Editor	46	Audio Engineer	7
Sap Apo	21	Sap Gts Lead	6
Technical Pm	13	Environment Artist	6
Systems Engineer	12	Audio Dsp Engineer	6
Engineer	12	Technology	5
Theater Technician	10	Senior Engineer	5
Game Designer	10	Principal Environment Artist	5
Firmware Engineer	9	Im	5
Test Engineer	8	Applications Engineer	5
Technology Evangelist	8	User Interface (UX)/User Experience (UX) Designer	4
Staff Engineer	8	Technical Pm With Bigdata	4
Lead Engineer	8	Software Delivery Epm	4
Developer	8	Senior Environment Artist	4
Hardware Engineer	7	Sap Integration - Po, Cpi	4

Source: Burning Glass

Industry Concentration

Table 5. Industries Hiring Audio Post Production Workers in Bay Region

Industry – 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2018)	Jobs in Industry (2022)	% Change (2018-22)	% in Industry (2018)
Custom Computer Programming Services (541511)	7,079	8,299	17%	20%
Computer Systems Design Services (541512)	4,212	4,634	10%	11%
Internet Publishing and Broadcasting and Web Search Portals (519130)	2,545	3,157	24%	7%
Software Publishers (511210)	2,379	3,025	27%	7%
Federal Government, Civilian, Excluding Postal Service (901199)	2,091	2,030	-3%	6%
Data Processing, Hosting, and Related Services (518210)	1,582	2,015	27%	4%
Corporate, Subsidiary, and Regional Managing Offices (551114)	1,321	1,358	3%	3%
Other Computer Related Services (541519)	1,024	1,245	22%	3%
Motion Picture and Video Production (512110)	880	941	7%	2%
Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology) (541715)	575	608	6%	2%
Temporary Help Services (561320)	509	519	2%	1%
Electronic Computer Manufacturing (334111)	483	527	9%	1%
Administrative Management and General Management Consulting Services (541611)	448	543	21%	1%
Local Government, Excluding Education and Hospitals (903999)	393	407	4%	1%
Computer and Computer Peripheral Equipment and Software Merchant Wholesalers (423430)	450	363	-19%	1%

Source: EMSI 2019.4

Table 6. Top Employers Posting Audio Post Production Occupations in Bay Region and Silicon Valley Sub-Region (February 2019 - January 2020)

Employer	Bay	Employer	Bay	Employer	Silicon Valley
Apple Inc.	59	IBM	8	Apple Inc.	59
Facebook	28	Quinn Company	7	Amazon	16
Activision	24	Jobot	7	Google Inc.	11
Amazon	20	Cryptic Studios Inc	7	IBM	8
Take-Two Interactive	16	Best Buy	7	Cryptic Studios Inc	7
Google Inc.	16	Bay Area Children's Theatre	7	Splunk, Inc	6
Roblox Corporation	15	Applovin	7	Machine Zone	6
Sledgehammer Games Inc	14	Time Warner	6	Best Buy	5
Pocket Gems	13	Sledgehammer Games	6	Reservenation	4
Disney	12	Salesforce	6	Infoways	4
Glu Mobile Inc	10	Machine Zone	6	Comerica	4
Glu Mobile	10	Lucid Motors Inc	6	Xoriant	3
Electronic Arts Incorporated	10	Box	6	Softpath Technologies	3
Striking Distance Studios	9	Wells Fargo	5	Servicenow	3
Jam City	9	Rodan Fields Llc	5	Paypal	3
Ea	9	Patreon	5	Osmo	3
Splunk, Inc	8	Microsoft Corporation	5	Microsoft Corporation	3

Source: Burning Glass

Educational Supply

There are five (5) community colleges in the Bay Region issuing 31 awards on average annually (last 3 years) on TOP 0612.20 - Film Production. There is one college (De Anza College) in the Silicon Valley Sub-Region issuing four (4) awards on average annually (last 3 years) on this TOP code.

Table 7. Awards on TOP 0612.20 - Film Production in Bay Region

College	Sub-Region	Associates	Certificate 18+ Units	Certificate Low Unit	Total
Berkeley City College	East Bay			1	1
City College of San Francisco	Mid-Peninsula	7			7
Contra Costa College	East Bay			3	3
De Anza College	Silicon Valley	4			4
Santa Rosa Junior College	North Bay	8	8		16
Total Bay Region		**19**	**8**	**4**	**31**
Total Silicon Valley Sub-Region		**4**	**0**	**0**	**4**

Source: Data Mart

Note: The annual average for awards is 2015-16 to 2017-18.

Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 3,674 annual openings for the Audio Post Production occupational cluster and 31annual (3-year average) awards for an annual undersupply of 3,643 students. In the Silicon Valley Sub-Region, there is also a gap with 1,338 annual openings and 4 annual (3-year average) awards for an annual undersupply of 1,334 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0612.20 - Film Production

2015-16	Bay (All CTE Programs)	Foothill College (All CTE Programs)	State (0612.20)	Bay (0612.20)	Silicon Valley (0612.20)	Foothill College (0612.20)
% Employed Four Quarters After Exit	74%	77%	68%	63%	58%	n/a
Median Quarterly Earnings Two Quarters After Exit	$10,550	$15,301	$9,555	$6,796	$,5,950	n/a
Median % Change in Earnings	46%	82%	19%	32%	49%	n/a
% of Students Earning a Living Wage	63%	76%	54%	39%	49%	n/a

Source: Launchboard Pipeline (version available on 3/2/20)

Skills, Certifications and Education

Table 9. Top Skills for Audio Post Production Occupations in Bay Region (February 2019 - January 2020)

Skill	Postings	Skill	Postings	Skill	Postings
C++	250	Scheduling	100	Java	74
Adobe Photoshop	218	Music	95	Linux	73
Game Development	202	Physics	93	Social Media	70
Project Management	195	Adobe Illustrator	88	Video Production	69
Video Editing	169	Quality Assurance and Control	86	Debugging	66
SAP	162	Maya	83	SQL	65
Digital Signal Processing	149	Microsoft C#	83	Zbrush	62
Python	149	Product Management	83	System Design	61
Level design	137	Adobe Indesign	80	Scrum	60
Software Engineering	132	Adobe Acrobat	77	Facebook	59
Adobe Aftereffects	125	Prototyping	77	DevOps	57
Adobe Premiere	113	MATLAB	76	EPIC Unreal Engine	57
Budgeting	113	Customer Service	75	Product Development	57
Audio Engineering	104	Adobe Creative Suite	74	Art Direction	53
Software Development	102	Broadcast Industry Knowledge	74	Repair	53

Source: Burning Glass

Table 10. Certifications for Audio Post Production Occupations in Bay Region (February 2019 - January 2020)

Note: 94% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

Certification	Postings	Certification	Postings
Driver's License	31	Securities License	2
Project Management Certification	27	SAP Certification	2
Project Management Professional (PMP)	12	Mortgage License	2
Security Clearance	11	Licensed Vocational Nurse (LVN)	2
IT Infrastructure Library (ITIL) Certification	9	Lean Six Sigma Certification	2
PMI Agile Certified Practitioner (PMI-ACP)	5	First Aid CPR AED	2
Ca License	5	Certified Information Systems Security Professional (CISSP)	2
Board Certified/Board Eligible	5	Certified Information Systems Auditor (CISA)	2
Cisco Certified Network Associate (CCNA)	4	Basic Life Saving (BLS)	2
Leadership In Energy And Environmental Design (LEED) Certified	3	Basic Cardiac Life Support Certification	2
Six Sigma Black Belt Certification	2	Automation Certification	2
Series 7	2	American Heart Association Certification	2

Source: Burning Glass

Table 11. Education Requirements for Audio Post Production Occupations in Bay Region

Note: 52% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

Education (minimum advertised)	Latest 12 Mos. Postings	Percent 12 Mos. Postings
High school or vocational training	50	6%
Associate Degree	16	2%
Bachelor's Degree or Higher	677	92%

Source: Burning Glass

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

Sources

O*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
CTE LaunchBoard www.calpassplus.org/Launchboard/
Statewide CTE Outcomes Survey
Employment Development Department Unemployment Insurance Dataset
Living Insight Center for Community Economic Development
Chancellor's Office MIS system

Contacts

For more information, please contact:

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- John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, jcarrese@ccsf.edu or (415) 267-6544

FOOTHILL COLLEGE
Credit Program Narrative
Certificate of Achievement in Game Audio I

Item 1. Program Goals and Objectives

The Certificate of Achievement in Game Audio I prepares students to be competent creators of audio content for video games while providing the opportunity to gain skills necessary to advance their careers.

Program Learning Outcomes:

- Apply basic principles of audio engineering, sound design, and music composition to create audio content for video games.
- Execute an original game audio project under the supervision of faculty or a professional mentor.

Item 2. Catalog Description

The Certificate of Achievement in Game Audio I provides opportunities for career preparation by providing courses that meet workforce needs. Game audio content development skills are highly desirable not only in the game audio industry, but also in related industries including sound design for film and television, music composition for film and television, theatre sound, and sound for interactive media. This program provides a solid technical background in game audio concepts and applications including dialog recording, foley recording, field recording, sound effects design, sound library management, music composition, and cinematic post-production. The outcomes of the program align with industry standards for game audio careers. Furthermore, the courses in this certificate will scale up to additional Certificates of Achievement and the AA degree in Music Technology.

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Required Core (12 units)	MTEC 55A	Introduction to Game Audio	4	Yr 1, Fall
	MTEC 55B	Advanced Sound Design for Games	4	Yr 1, Winter
	MTEC 55C	Music Composition for Games	4	Yr 1, Spring
Restricted Electives (4 units)	MUS 11F	Video Games & Popular Culture	4	Yr 1, Spring
	or			
	MDIA 13	Video Games & Popular Culture	4	Yr 1, Spring

TOTAL UNITS: 16 units

Proposed Sequence:
Year 1, Fall = 4 units
Year 1, Winter = 4 units
Year 1, Spring = 8 units
TOTAL UNITS: 16 units

Item 4. Master Planning

The Certificate of Achievement in Game Audio I aligns with the planned goals for Foothill College because the program serves the regional area in support of workforce development and economic growth. The program is new and does not duplicate any already-existing program within the Foothill-De Anza District or the surrounding colleges.

There is currently an out-of-state college, Berklee College of Music, that offers an online certificate. Their program is strictly offered online and the students are charged considerably higher tuition, $467/credit hour. Offering our Certificate of Achievement in Game Audio will benefit our students as well as the industry, locally and statewide.

Local references in support of the program include advisory committee members who strongly support the partnership between Foothill College and the local game audio industry. These members have regular contact with job applicants and interns, providing a realistic understanding of the short-term and long-term educational needs of the industry.

Item 5. Enrollment and Completer Projections

The courses average 10-46 students per course. The number of projected completers per year is 12. These figures are based on the number of students completing existing Music Technology courses between the years 2017-18 and 2018-19. There is a high demand for professionals with game audio skills in the local job market, as well as in other regions of California.

		Year 1		Year 2	
Course #	Course Title	Annual Sections	Annual Enrollment	Annual Sections	Annual Enrollment
MTEC 55A	Introduction to Game Audio	3	47	2	34
MTEC 55B	Advanced Sound Design for Games	3	9	2	8
MTEC 55C	Music Composition for Games	3	12	2	18
MUS 11F/ MDIA 13	Video Games & Popular Culture	7	254	4	235

Item 6. Place of Program in Curriculum/Similar Programs

There are currently no similar programs at Foothill College. This program fulfills a need expressed by the industry advisory board.

Item 7. Similar Programs at Other Colleges in Service Area

There are no other colleges within reasonable commuting distance that offer a similar program.

Additional Information Required for State Submission:

TOP Code: *0614.20 - Electronic Game Design*

Annual Completers: *12*

Net Annual Labor Demand: *26,900*

Faculty Workload: *0.46*

New Faculty Positions: *0*

New Equipment: *0*

New/Remodeled Facilities: *0*

Library Acquisitions: *0*

Gainful Employment: *Yes*

Program Review Date: *Fall 2021*

Distance Education: *50-99%*

ATTACH THE FOLLOWING (non-Apprenticeship)**:**

1. **Labor Market Information and Analysis**
2. **Advisory Committee Recommendation** *(includes advisory committee membership, minutes, and summary of recommendations)*
3. **Regional Consortia Approval Meeting Minutes** *(showing program recommendation)*

Game Audio Production Occupations
Labor Market Information Report
Foothill College

Prepared by the San Francisco Bay Center of Excellence
for Labor Market Research
March 2020

Recommendation

Based on all available data, there appears to be an undersupply of Game Audio Production workers compared to the demand for this cluster of occupations in the Bay region and in the Silicon Valley sub-region (Santa Clara County). There is a projected annual gap of about 3,475 students in the Bay region and 1,297 students in the Silicon Valley Sub-Region.

This report also provides student outcomes data on employment and earnings for programs on TOP 0614.20 - Electronic Game Design in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Foothill College and in the region.

Introduction

This report profiles Game Audio Production Occupations in the 12 county Bay region and in the Silicon Valley sub-region for a proposed new program at Foothill College. Labor market information (LMI) is not available at the eight-digit SOC Code level for Video Game Designers (15-1199.11), therefore, the data shown in Tables 1 and 2 is for Computer Occupations, All Other (at the six digit SOC level) and likely overstates demand for Video Game Designers. Tables 3, 4, 6, 9, 10 and 11 use job postings data from Burning Glass at the eight-digit SOC Code level for Video Game Designers (15-1199.11).

- **Computer Occupations, All Other (SOC 15-1199):** All computer occupations not listed separately. Excludes "Computer and Information Systems Managers" (11-3021), "Computer Hardware Engineers" (17-2061), "Electrical and Electronics Engineers" (17-2070), "Computer Science Teachers, Postsecondary" (25-1021), "Multimedia Artists and Animators" (27-1014), "Graphic Designers" (27-1024), "Computer Operators" (43-9011), and "Computer, Automated Teller, and Office Machine Repairs" (49-2011).
  Entry-Level Educational Requirement: Bachelor's degree
  Training Requirement: None
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 35%

- **Sound Engineering Technicians (SOC 27-4014):** Operate machines and equipment to record, synchronize, mix, or reproduce music, voices, or sound effects in sporting arenas, theater productions, recording studios, or movie and video productions.
  Entry-Level Educational Requirement: Postsecondary *nondegree* award
  Training Requirement: Short-term *on-the-job training*
  Percentage of Community College Award Holders *or Some Postsecondary Coursework: 46%*

Occupational Demand

Table 1. Employment Outlook for Game Audio Production Occupations in Bay Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Computer Occupations, All Other	34,304	38,084	3,780	11%	16,918	3,384	$40.92	$55.80
Sound Engineering Technicians	837	837	-1	0%	477	95	$20.41	$32.08
TOTAL	**35,141**	**38,921**	**3,779**	**11%**	**17,395**	**3,479**	**$40.43**	**$55.23**

Source: EMSI 2019.4
Bay Region includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Game Audio Production Occupations in Silicon Valley Sub-Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Computer Occupations, All Other	12,649	14,197	1,549	12%	6,409	1,282	$46.79	$64.56
Sound Engineering Technicians	115	126	12	10%	78	16	$30.14	$36.44
TOTAL	**12,763**	**14,324**	**1,560**	**12%**	**6,487**	**1,297**	**$46.64**	**$64.31**

Source: EMSI 2019.4
Silicon Valley Sub-Region includes Santa Clara County

Job Postings in Bay Region and Silicon Valley Sub-Region

Table 3. Number of Job Postings by Occupation for latest 12 months (March 2019 - February 2020)

Occupation	Bay Region	Silicon Valley
Video Game Designers	1,284	401
Sound Engineering Technicians	376	171
TOTAL	**1,660**	**572**

Source: Burning Glass

Table 4a. Top Job Titles for Game Audio Production Occupations for latest 12 months (March 2019 - February 2020) Bay Region

Common Title	Bay	Common Title	Bay
Creator, Food Service Industry	98	Developer	15
Game Designer	85	Content Creator	15
Senior Engineer	61	Technical Pm	13
Engineer	46	Creator	13
Audio Engineer	30	Hardware Engineer	12
Head, Infrastructure	29	Guide	12
Theater Technician	26	Concept Artist	12
Lead Engineer	25	Technology	11
Sap Apo	24	Mechanic	11
Environment Artist	24	Lead Environment Artist	11
Gameplay Engineer	22	Director, Crm	11
Systems Engineer	21	Senior Concept Artist	10
Senior Environment Artist	17	Firmware Engineer	10
Sap Pm	17	Test Engineer	8

Table 4b. Top Job Titles for Game Audio Production Occupations for latest 12 months (March 2019 - February 2020) Silicon Valley Sub-Region

Common Title	Silicon Valley	Common Title	Silicon Valley
Creator, Food Service Industry	31	Environment Artist	6
Sap Apo	22	Audio Engineer	6
Systems Engineer	12	Applications Engineer	6
Engineer	12	Technology Evangelist	5
Technical Pm	11	Principal Environment Artist	5
Theater Technician	10	User Interface (UX)/User Experience (UX) Designer	4
Lead Engineer	9	Technical Pm With Bigdata	4
Firmware Engineer	9	Software Delivery Epm	4
Test Engineer	8	Senior Environment Artist	4
Staff Engineer	8	Senior Engineer	4
Game Designer	8	Sap Integration - Po,Cpi	4
Developer	8	Multiple Sap Roles	4
Sap Gts Lead	6	Lead Environment Artist	4
Hardware Engineer	6	Instrumentation Engineer	4

Source: Burning Glass

Industry Concentration

Table 5. Industries Hiring Game Audio Production Workers in Bay Region

Industry – 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2018)	Jobs in Industry (2022)	% Change (2018-22)	% in Industry (2018)
Custom Computer Programming Services (541511)	7,064	8,282	17%	20%
Computer Systems Design Services (541512)	4,204	4,625	10%	12%
Software Publishers (511210)	2,360	2,997	27%	7%
Internet Publishing and Broadcasting and Web Search Portals (519130)	2,374	2,927	23%	7%
Federal Government, Civilian, Excluding Postal Service (901199)	2,091	2,030	-3%	6%
Data Processing, Hosting, and Related Services (518210)	1,543	1,962	27%	4%
Corporate, Subsidiary, and Regional Managing Offices (551114)	1,311	1,346	3%	4%
Other Computer Related Services (541519)	1,022	1,243	22%	3%
Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology) (541715)	575	608	6%	2%
Electronic Computer Manufacturing (334111)	483	527	9%	1%
Temporary Help Services (561320)	499	509	2%	1%
Administrative Management and General Management Consulting Services (541611)	443	536	21%	1%
Local Government, Excluding Education and Hospitals (903999)	387	402	4%	1%
Research and Development in Biotechnology (except Nanobiotechnology) (541714)	332	431	30%	1%
Engineering Services (541330)	347	364	5%	1%

Source: EMSI 2019.4

Table 6. Top Employers Posting Game Audio Production Occupations in Bay Region and Silicon Valley Sub-Region (March 2019 - February 2020)

Employer	Bay	Employer	Bay	Employer	Silicon Valley
Specialty's Cafe Bakery	99	Quinn Company	8	Apple Inc.	62
Apple Inc.	64	Applovin	8	Specialty's Cafe Bakery	26

Facebook	37	Time Warner	7	Amazon	15
Activision	19	Jobot	7	Google Inc.	11
Amazon	18	IBM	7	IBM	7
Take-Two Interactive	15	Cryptic Studios Inc	7	Splunk, Inc	6
Sledgehammer Games Inc	15	Best Buy	7	Machine Zone	6
Roblox Corporation	15	Bay Area Children's Theatre	7	Cryptic Studios Inc	6
Google Inc.	13	Sledgehammer Games	6	Best Buy	5
Disney	13	Machine Zone	6	Infoways	4
Pocket Gems	12	Box	6	Softpath Technologies	3
Electronic Arts Incorporated	10	Patreon	5	Servicenow	3
Striking Distance Studios	9	Microsoft Corporation	5	Reservenation	3
Jam City	9	Indochino	5	Paypal	3
Glu Mobile Inc	9	Antenna Group	5	Microsoft Corporation	3
Ea	9	Sony Electronics Inc	4	Jazz Pharma	3
Splunk, Inc	8	Salesforce	4	Intuit	3

Source: Burning Glass

Educational Supply

There is one (1) community college in the Bay Region issuing one (1) award on average annually (last 3 years) on TOP 0614.20 - Electronic Game Design. There is one (1) other postsecondary institution in the Bay Region issuing three (3) awards on average annually (last 3 years) on CIP 50.0411 - Game and Interactive Media Design. There are no colleges in the Silicon Valley Sub-Region issuing awards on average annually (last 3 years) on this TOP code.

Table 7. Awards on TOP 0614.20 - Electronic Game Design and CIP 50.0411 - Game and Interactive Media Design in Bay Region

College	Sub-Region	Associates	Certificate 18+ Units	Certificate Low Unit	Total
Santa Rosa Junior College	North Bay	1	0	0	1
Academy of Art University	Mid-Peninsula	3	0	0	3
Total Bay Region		**4**	**0**	**0**	**4**
Total Silicon Valley Sub-Region		**0**	**0**	**0**	**0**

Source: Data Mart

Note: The annual average for awards is 2015-16 to 2017-18.

Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 3,479 annual openings for the Game Audio Production occupational cluster and four (4) annual (3-year average) awards for an annual undersupply of 3,475 students. In the Silicon Valley Sub-Region, there is also a gap with 1,297 annual openings and no annual (3-year average) awards for an annual undersupply of 1,297 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0614.20 - Electronic Game Design

2015-16	Bay (All CTE Programs)	Foothill College (All CTE Programs)	State (0614.20)	Bay (0614.20)	Silicon Valley (0614.20)	Foothill College (0614.20)
% Employed Four Quarters After Exit	74%	77%	n/a	n/a	n/a	n/a
Median Quarterly Earnings Two Quarters After Exit	$10,550	$15,301	$4,188	n/a	n/a	n/a
Median % Change in Earnings	46%	82%	87%	n/a	n/a	n/a
% of Students Earning a Living Wage	63%	76%	32%	n/a	n/a	n/a

Source: Launchboard Pipeline (version available on 3/2/20)

Skills, Certifications and Education

Table 9. Top Skills for Game Audio Production Occupations in Bay Region (March 2019 - February 2020)

Skill	Postings	Skill	Postings	Skill	Postings
C++	240	Schematic Diagrams	91	Zbrush	62
Project Management	203	Maya	86	Scrum	61
Game Development	200	Product Management	86	System Design	59
SAP	167	Microsoft C#	80	EPIC Unreal Engine	58
Python	145	Quality Assurance & Control	77	Facebook	58
Digital Signal Processing (DSP)	143	Customer Service	75	Product Development	57
Level design	135	Java	75	DevOps	54
Adobe Photoshop	129	Prototyping	75	Repair	54
Software Engineering	126	Cash Handling	74	Audio Systems	53
Cleaning	124	MATLAB	74	Music	52
Scheduling	105	Linux	71	Technical Support	52
Audio Engineering	101	Debugging	69	Digital Audio	51
Budgeting	100	Food Safety	67	Teaching	51
Software Development	99	SQL	67	Art Direction	50
Physics	92	Sorting	67	Audio / Visual Knowledge	49

Source: Burning Glass

Table 10. Certifications for Game Audio Production Occupations in Bay Region (March 2019 - February 2020)

Note: 87% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

Certification	Postings	Certification	Postings
Food Handler Certification	110	Ca License	3
Food Service Certification	67	Board Certified/Board Eligible	3
Driver's License	30	Six Sigma Black Belt Certification	2
Project Management Certification	27	SAP Certification	2
IT Infrastructure Library (ITIL) Certification	13	Mortgage License	2
Project Management Professional (PMP)	12	Licensed Vocational Nurse (LVN)	2
Security Clearance	11	Licensed Professional Engineer	2
PMI Agile Certified Practitioner (PMI-ACP)	5	Lean Six Sigma Certification	2
Cisco Certified Network Associate (CCNA)	5	Leadership In Energy And Environmental Design (LEED) Certified	2
ITIL Certification	3	Basic Life Saving (BLS)	2
Certified Information Systems Security Professional (CISSP)	3	Basic Cardiac Life Support Certification	2
Certified Information Systems Auditor (CISA)	3	Automation Certification	2

Source: Burning Glass

Table 11. Education Requirements for Game Audio Production Occupations in Bay Region

Note: 54% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

Education (minimum advertised)	Latest 12 Mos. Postings	Percent 12 Mos. Postings
High school or vocational training	39	5%
Associate Degree	14	2%
Bachelor's Degree or Higher	630	93%

Source: Burning Glass

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

Sources

O*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
CTE LaunchBoard www.calpassplus.org/Launchboard/
Statewide CTE Outcomes Survey
Employment Development Department Unemployment Insurance Dataset
Living Insight Center for Community Economic Development
Chancellor's Office MIS system

Contacts

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FOOTHILL COLLEGE
Credit Program Narrative
Certificate of Achievement in Songwriting

Item 1. Program Goals and Objectives

The Certificate of Achievement in Songwriting prepares students with the concepts and skills to create original music and lyrics performed by singers, studio producers, musical groups and bands.

Program Learning Outcomes:

- Create music for a variety of genres, including pop, folk, hip hop, country, rock or jazz. Students may write music for theater productions, record labels or produce jingles for commercials.
- Develop musical talent, creativity, strong communication skills, production workflow management and knowledge of music composition software.

Item 2. Catalog Description

The Certificate of Achievement in Songwriting enables students to develop a diverse and industry-relevant set of songwriting skills. The program teaches students how to produce original songs and compositions and have them performed. Students will generate songs that are suitable for a wide range of formats and create a songwriting portfolio. Courses cover songwriting history, analysis, music theory, aural skills, orchestration and composition. Students are prepared to pursue a career as a composer, producer and performer of original songs. The program aims to produce graduates who are conversant with the mechanisms of the modern music industry and can demonstrate a creative and industry-relevant approach to their craft.

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Core Courses (12 units)	MTEC 88A	Songwriter's Workshop	4	Yr 1, Fall
	MTEC 88B	Modern Song Composition	4	Yr 1, Winter
	MTEC 88C	Advanced Song Structure	4	Yr 1, Spring
Restricted Electives (select 4 units)	MUS 10	Music Fundamentals	4	Yr 2, Fall
	MTEC 54A	Music Theory for Audio Producers	4	Yr 2, Winter

TOTAL UNITS: 16

Proposed Sequence:
Year 1, Fall = 4 units
Year 1, Winter = 4 units
Year 1, Spring = 4 units
Year 2, Fall = 4 units
TOTAL UNITS: 16 units

Item 4. Master Planning

The Certificate of Achievement in Songwriting aligns with the planned goals for Foothill College because the program serves the regional area in support of workforce development and economic growth. The program does not duplicate any already-existing program within the Foothill-De Anza District or the surrounding colleges. This certificate will give students a competitive edge when applying for jobs specifically in the music industry.

Item 5. Enrollment and Completer Projections

The courses average 2-48 students per course. The number of projected completers per year is 12. These figures are based on the number of students completing existing Music Technology courses between the years 2017-18 and 2018-19. There is a growing demand for professionals with songwriting and music production skill sets in the local job market, as well as in other regions of California.

		Year 1		Year 2	
Course #	**Course Title**	**Annual Sections**	**Annual Enrollment**	**Annual Sections**	**Annual Enrollment**
MTEC 54A	Music Theory for Audio Producers	N/A	N/A	2	37
MTEC 88A	Songwriter's Workshop	3	47	3	73
MTEC 88B	Modern Song Composition	3	14	3	17
MTEC 88C	Advanced Song Structure	3	6	3	9
MUS 10	Music Fundamentals	6	271	5	223

Item 6. Place of Program in Curriculum/Similar Programs

There are currently no similar programs at Foothill College. This program fulfills a need expressed by the industry advisory board.

Item 7. Similar Programs at Other Colleges in Service Area

There are no other colleges within reasonable commuting distance that offer a similar program.

Additional Information Required for State Submission:

TOP Code: *1005.00 - Commercial Music*

Annual Completers: *12*

Net Annual Labor Demand: *5,400*

Faculty Workload: *0.46*

New Faculty Positions: *0*

New Equipment: *0*

New/Remodeled Facilities: *0*

Library Acquisitions: *0*

Gainful Employment: *Yes*

Program Review Date: *Fall 2021*

Distance Education: *50-99%*

ATTACH THE FOLLOWING (non-Apprenticeship)**:**

1. **Labor Market Information and Analysis**
2. **Advisory Committee Recommendation** *(includes advisory committee membership, minutes, and summary of recommendations)*
3. **Regional Consortia Approval Meeting Minutes** *(showing program recommendation)*

Songwriting Occupations
Labor Market Information Report
Foothill College College

Prepared by the San Francisco Bay Center of Excellence
for Labor Market Research
March 2020

Recommendation

Based on all available data, there appears to be an undersupply of Songwriting workers compared to the demand for this cluster of occupations in the Bay region and in the Silicon Valley sub-region (Santa Clara County). There is a projected annual gap of about 123 students in the Bay region and 18 students in the Silicon Valley Sub-Region.

This report also provides student outcomes data on employment and earnings for programs on Commercial Music-TOP 1005.00 in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Foothill College and in the region.

Introduction

This report profiles Songwriting Occupations in the 12 county Bay region and in the Silicon Valley sub-region for a proposed new program at Foothill College. Labor market information (LMI) is not available at the eight-digit SOC Code level for Music Composers and Arrangers (27-2041.04), therefore, the data shown in Tables 1 and 2 is for Music Directors and Composers (at the six digit SOC level). Tables 3, 4, 6, 9, 10 and 11 use job postings data from Burning Glass at the eight-digit SOC Code level for Music Composers and Arrangers (27-2041.04).

- **Music Directors and Composers (SOC 27-2041):** Conduct, direct, plan, and lead instrumental or vocal performances by musical groups, such as orchestras, bands, choirs, and glee clubs. Includes arrangers, composers, choral directors, and orchestrators.
  Entry-Level Educational Requirement: Bachelor's degree
  Training Requirement: None
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 25%

Occupational Demand

Table 1. Employment Outlook for Songwriting Occupations in Bay Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Music Directors and Composers	1,506	1,512	6	0%	936	187	$16.07	$25.46

Source: EMSI 2019.4
Bay Region includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Songwriting Occupations in Silicon Valley Sub-Region

Occupation	2018 Jobs	2023 Jobs	5-Yr Change	5-Yr % Change	5-Yr Open-ings	Average Annual Open-ings	25% Hourly Wage	Median Hourly Wage
Music Directors and Composers	292	302	10	3%	191	38	$16.70	$25.75

Source: EMSI 2019.4
Silicon Valley Sub-Region includes Santa Clara County

Job Postings in Bay Region and Silicon Valley Sub-Region

Table 3. Number of Job Postings by Occupation for latest 12 months (March 2019 - February 2020)

Occupation	Bay Region	Silicon Valley
Music Directors	56	20
Music Composers and Arrangers	10	5
TOTAL	**66**	**25**

Source: Burning Glass

Table 4a. Top Job Titles for Songwriting Occupations for latest 12 months (March 2019 - February 2020) Bay Region

Common Title	Bay	Common Title	Bay
Summer Instructor, 3D Printing	8	Sports Director	1
Music Teacher	6	Songwriter	1
Music Director	5	Senior Producer, Voice	1
Voice Producer, Speech	4	Quantum Theory	1
Music Singer/Director	4	Organist	1
Slower Of Work Consider A Live-In Caregiving	3	Musical Director	1
Minister of Music	3	Music Director/Accompanist	1
Director, Music	3	Music Composer	1
Associate	3	Maestro A De Espanol - Privado	1
Slower Of Work Consider Caregiving In	2	Leader, Manufacturing Industry	1
Instructor, Director Of Choral/Vocal Studies	2	Empregada Domstica Em Tempo Integral	1
Director, Music,Arts	2	Director/Pianist	1
Wrangler/Composer	1	Director	1
Worship Music Director	1	Conductor Of Aspirante Youth Orchestra	1

Table 4b. Top Job Titles for Songwriting Occupations for latest 12 months (March 2019 - February 2020) Silicon Valley Sub-Region

Common Title	Silicon Valley	Common Title	Silicon Valley
Voice Producer, Speech	4	Music Teacher	1
Summer Instructor, 3D Printing	4	Music Director	1
Slower Of Work Consider A Live-In Caregiving	3	Leader, Manufacturing Industry	1
Director, Music	3	Director/Pianist	1
Music Singer/Director	2	Director	1
Worship Music Director	1	Assistant Music Director, Special	1
Quantum Theory	1	Music Teacher	1
Musical Director	1		

Source: Burning Glass

Industry Concentration

Table 5. Industries hiring Songwriting Workers in Bay Region

Industry – 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2018)	Jobs in Industry (2022)	% Change (2018-22)	% in Industry (2018)
Religious Organizations (813110)	662	682	3%	44%
Independent Artists, Writers, and Performers (711510)	262	264	1%	17%
Musical Groups and Artists (711130)	131	122	-7%	9%
Other Spectator Sports (711219)	81	77	-5%	5%
Theater Companies and Dinner Theaters (711110)	52	54	4%	4%
Elementary and Secondary Schools (611110)	48	50	4%	3%
Promoters of Performing Arts, Sports, and Similar Events without Facilities (711320)	36	36	0%	2%
Dance Companies (711120)	32	32	0%	2%
Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures (711410)	31	27	-13%	2%
Elementary and Secondary Schools (Local Government) (903611)	26	26	0%	2%
Promoters of Performing Arts, Sports, and Similar Events with Facilities (711310)	21	21	0%	1%

Source: EMSI 2019.4

Table 6. Top Employers Posting Songwriting Occupations in Bay Region and Silicon Valley Sub-Region (March 2019 - February 2020)

Employer	Bay	Employer	Bay	Employer	Silicon Valley
Galileo Learning	7	Santa Rosa Symphony	1	Galileo Learning	3
Compass Sls & Ils	5	Santa Clara University	1	Compass Sls & Ils	3
Berkeley Broadway Singers	5	San Jose State University	1	Apple Inc.	3
Apple Inc.	3	San Jose Korean Presbyterian Church	1	Diocese San Jose	2
Notes For Notes	2	Private Non Profit	1	Berkeley Broadway Singers	2
National Children's Chorus	2	Presentation High School	1	The New Hope Band	1
Mills College	2	Pacific Edge Vocies	1	Starting Arts	1
Diocese San Jose	2	Opera San Jose	1	Santa Clara University	1
Chabot Las Positas Community College District	2	O2 Artisans Aggregate	1	San Jose State University	1
Youth Music Monterey	1	Music Ministry International	1	San Jose Korean Presbyterian Church	1
The New Hope Band	1	Mt Pleasant Elementary	1	Presentation High School	1
Sunnyslope Christian Center	1	Matthewchen Music	1	Opera San Jose	1
Starting Arts	1	KQED	1	Mt Pleasant Elementary	1
St Pauls Episcopal School	1	IBM	1	IBM	1
St Mary Health Care	1	Global Lt	1	Diocese Of San Jose In California	1
St Ignatius College Preparatory	1	Diocese Of San Jose In California	1		
Skyline Community Church UCC	1	Diocese Of San Jose DSI	1		

Source: Burning Glass

Educational Supply

There are five (5) community colleges in the Bay Region issuing 64 awards on average annually (last 3 years) on Commercial Music-TOP 1005.00. There are two colleges in the Silicon Valley Sub-Region issuing 20 awards on average annually (last 3 years) on this TOP code.

Table 7. Awards on Commercial Music-TOP 1005.00 in Bay Region

College	Sub-Region	Associates	Certificate 18+ Units	Certificate Low Unit	Total
Cabrillo College	Santa Cruz - Monterey	1	0	2	3
Diablo Valley College	East Bay	10	9	0	19
Foothill College	Silicon Valley	11	2	0	13
Los Medanos College	East Bay	5	5	12	22
West Valley College	Silicon Valley	0	7	0	7
Total Bay Region		**27**	**23**	**14**	**64**
Total Silicon Valley Sub-Region		**11**	**9**	**0**	**20**

Source: Data Mart

Note: The annual average for awards is 2015-16 to 2017-18.

Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 187 annual openings for the Songwriting occupational cluster and 64 annual (3-year average) awards for an annual undersupply of 123 students. In the Silicon Valley Sub-Region, there is a small gap with 38 annual openings and 20 annual (3-year average) awards for an annual undersupply of 18 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on Commercial Music-TOP 1005.00

2015-16	Bay (All CTE Programs)	Foothill College (All CTE Programs)	State (1005.00)	Bay (1005.00)	Silicon Valley (1005.00)	Foothill College (1005.00)
% Employed Four Quarters After Exit	74%	77%	63%	64%	69%	64%
Median Quarterly Earnings Two Quarters After Exit	$10,550	$15,301	$4,540	$4,867	$11,841	$4,867
Median % Change in Earnings	46%	82%	71%	61%	50%	61%
% of Students Earning a Living Wage	63%	76%	23%	29%	65%	29%

Source: Launchboard Pipeline (version available on 3/2/20)

Skills, Certifications and Education

Table 9. Top Skills for Songwriting Occupations in Bay Region (March 2019 - February 2020)

Skill	Postings	Skill	Postings	Skill	Postings
Music	41	Media Production	4	Audio Systems	2
Teaching	21	Text to Speech (TTS)	4	Budget Management	2
Budgeting	15	Cooking	3	Cost Estimation	2
Cleaning	13	Customer Experience Improvement	3	Event Planning	2
Singing	13	Digital Audio	3	Graphic Design	2
Piano	12	Guitar	3	Injury Prevention	2
Scheduling	12	Human Computer Interaction	3	Invoice Approval	2
3D Printing / Additive Manufacturing (AM)	8	Inventory Maintenance	3	Meal Preparation	2
Customer Service	8	Meal Planning	3	Music Production	2

Educational Programs	8	Medication Administration	3	Network Hardware/Software Maintenance	2
Artificial Intelligence	5	Multimedia	3	Pro Tools	2
Cardiopulmonary Resuscitation (CPR)	5	Music Theory	3	Program Implementation	2
Caregiving	5	Social Content	3	Project Management	2
Customer Contact	5	Social Media	3	Project Planning and Development Skills	2
Fundraising	5	Songwriting	3	Providing Warranties	2

Source: Burning Glass

Table 10. Certifications for Songwriting Occupations in Bay Region (March 2019 - February 2020)

Note: 86% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

Certification	Postings	Certification	Postings
Driver's License	7	Counseling Certification	1
First Aid CPR AED	5	Certified Teacher	1

Source: Burning Glass

Table 11. Education Requirements for Songwriting Occupations in Bay Region

Note: 53% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

Education (minimum advertised)	Latest 12 Mos. Postings	Percent 12 Mos. Postings
High school or vocational training	5	16%
Associate Degree	1	3%
Bachelor's Degree or Higher	23	81%

Source: Burning Glass

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

Sources

O*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
CTE LaunchBoard www.calpassplus.org/Launchboard/
Statewide CTE Outcomes Survey
Employment Development Department Unemployment Insurance Dataset
Living Insight Center for Community Economic Development
Chancellor's Office MIS system

Contacts

For more information, please contact:

- Doreen O'Donovan, Research Analyst, for Bay Area Community College Consortium (BACCC) and Centers of Excellence (CoE), doreen@baccc.net or (831) 479-6481
- John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, jcarrese@ccsf.edu or (415) 267-6544

General Education Review Request
AREA VII – LIFELONG LEARNING

Course Number & Title: KINS 16A Prevention of Athletic Injuries

Breadth Criteria:

At Foothill College, the primary objective of the general education requirements is to provide students with the depth and breadth of knowledge and understanding required to be independent, thinking persons who are able to interact successfully with others as educated and productive members of our diverse society. Design and implementation of the general education curriculum ensures that students have exposure to all major disciplines, understand relationships among the various disciplines, and appreciate and evaluate the collective knowledge and experiences that form our cultural and physical heritage. General education courses provide content that is broad in scope and at an introductory depth, and all require critical thinking.

A general education enables students to clarify and present their personal views as well as respect, evaluate, and be informed by the views of others. This academic program is designed to facilitate a process that enables students to reach their fullest potential as individuals, national and global citizens, and lifelong learners for the 21st century.

In order to be successful, students are expected to have achieved minimum proficiency in math (MATH 105) and English (ENGL 1A, 1AH or ESL 26) before enrolling in a GE course.

A completed pattern of general education courses provides students with opportunities to acquire, practice, apply, and become proficient in each of the core competencies listed below.

B1. Communication (analytical reading, writing, speaking, and listening skills including evaluation, synthesis, and research).
B2. Computation (application of mathematical concepts, and/or using principles of data collection and analysis to solve problems).
B3. Creative, critical, and analytical thinking (reasoning, questioning, problem solving, and consideration of consequence).
B4. Community and global consciousness and responsibility (consideration of one's role in society at the local, regional, national, and global level in the context of cultural constructs and historical and contemporary events and issues).
B5. Information competency (ability to identify an information need, to find, evaluate and use information to meet that need in a legal and ethical way) and digital literacy (to teach and assess basic computer concepts and skills so that people can use computer technology in everyday life to develop new social and economic opportunities for themselves, their families, and their communities).

Depth Criteria for Area VII – Lifelong Learning:

Courses in this area provide students with the skills needed to continue learning after they leave college. Courses focus on the study of humans as integrated intellectual, physiological, social and psychological beings in relation to society and the environment. Full understanding and synthesis of a subject area usually occurs when the skills mastered in a course of study are applied to the context of another discipline. Students are given an opportunity to experience this concept in courses that provide opportunities that bridge subject areas so that students learn to function as independent and effective learners.

Physical activity courses are given inclusion to this area in recognition of the reality that you have to be healthy and live a long life in order to take advantage of lifelong learning. Foothill College deems that: Physical activity courses are acceptable, if they entail movement by the student and are overseen by a faculty member or coach. These courses can be taken for up to 2 units.

A course meeting the Lifelong Learning General Education Requirement ***must*** help students:

L1. Acquire and demonstrate knowledge, skills, and attitudes that support the application of information across two or more disciplines of study;
L2. Develop practical tools that can be integrated into problem solving and decision making with current day-to-day issues and which can be adapted to future situations;
L3. Identify current issues and concerns that influence health, communication or learning;
L4. Comprehend and apply health and well-being issues to the individual and to society;
L5. Find, evaluate, use and communicate information in all of its various formats and understand the ethical and legal implications of the use of that information.

In addition, a course meeting this requirement ***must*** include ***at least one*** of the following student learning outcomes:

L6. Define career and life planning strategies and resources including goal setting and time management, learning styles and self-awareness, building a positive work ethic and leadership qualities;
L7. Analyze beliefs, attitudes, biases, stereotypes, and behaviors in individuals and communities regarding temporary needs, problems and concerns facing society;
L8. Understand the importance of physical fitness and its impact on an individual's physical and mental health;
L9. Use technology to analyze problems and create solutions.

General Education Review Request
AREA VII – LIFELONG LEARNING

Course Number & Title: KINS 16A Prevention of Athletic Injuries

Please map each appropriate component from the **Course Outline of Record** to the appropriate depth and breadth criteria. You can use any part of your COR including course outcomes, expanded content, methods of instruction/evaluation, and/or lab content.

Depth Map: Must include the following:

L1. Acquire and demonstrate knowledge, skills, and attitudes that support the application of information across two or more disciplines of study;

Matching course component(s): Knowledge, skills and attitudes are applicable in Kinesiology, Science (Anatomy and Physiology, Nutrition, Chemistry, Physics, etc) and Medicine.

Course Objectives -

The student will be able to:

A. identify basic musculo-skeletal anatomy.
B. apply various adhesive strapping techniques to prevent injuries to joints.
C. apply various elastic wrapping techniques to add support to injured muscles.
D. demonstrate flexibility exercises to stretch major muscle groups.
E. list the necessary items in a first aid kit.
F. identify inflexible muscle groups that predispose someone to injury.
G. employ knowledge of muscle anatomy by designing sport specific pre-activity warm-ups.
H. discuss cultural differences in prevention care.

L2. Develop practical tools that can be integrated into problem solving and decision making with current day-to-day issues and which can be adapted to future situations;

Matching course component(s): Course content includes critical thinking and problem solving in identifying underlying causes of injuries and conditions and planning for corrections to prevent those injuries and conditions from occurring.

Methods of Evaluation -

A. Notebook
B. Quizzes
C. Practical examination

Method of Instruction -

A. Lecture and slide presentations concerning injury athletic prevention
B. Periods of practical question-answer sessions concerning athletic injury prevention

L3. Identify current issues and concerns that influence health, communication or learning;

Matching course component(s): Course content is entirely focused on the health and well-being of active people.

Course Objectives -

The student will be able to:

A. identify basic musculo-skeletal anatomy.
B. apply various adhesive strapping techniques to prevent injuries to joints.
C. apply various elastic wrapping techniques to add support to injured muscles.
D. demonstrate flexibility exercises to stretch major muscle groups.
E. list the necessary items in a first aid kit.
F. identify inflexible muscle groups that predispose someone to injury.

G. employ knowledge of muscle anatomy by designing sport specific pre-activity warm-ups.
H. discuss cultural differences in prevention care.

L4. Comprehend and apply health and well-being issues to the individual and to society;

Matching course component(s): Course content is entirely focused on the health and well-being of active people.

Course Objectives -

The student will be able to:
A. identify basic musculo-skeletal anatomy.
B. apply various adhesive strapping techniques to prevent injuries to joints.
C. apply various elastic wrapping techniques to add support to injured muscles.
D. demonstrate flexibility exercises to stretch major muscle groups.
E. list the necessary items in a first aid kit.
F. identify inflexible muscle groups that predispose someone to injury.
G. employ knowledge of muscle anatomy by designing sport specific pre-activity warm-ups.
H. discuss cultural differences in prevention care.

L5. Find, evaluate, use and communicate information in all of its various formats and understand the ethical and legal implications of the use of that information.

Matching course component(s): Employs multiple forms of communication, including verbal, written and digital formats. Extensive discussion on the Health Insurance Portability and Accountability Act (HIPAA), confidentiality and the legal implications of sharing medical information.

Methods of Evaluation -

A. Notebook
B. Quizzes
C. Practical examination

Method of Instruction -

A. Lecture and slide presentations concerning injury athletic prevention
B. Periods of practical question-answer sessions concerning athletic injury prevention

Types and/or Examples of Required Reading, Writing and Outside of Class Assignments -

A. Reading assignments from text
B. Discussion/chat online

Depth Map: Additionally, must include at least one of the following:

L6. Define career and life planning strategies and resources including goal setting and time management, learning styles and self-awareness, building a positive work ethic and leadership qualities;

Matching course component(s): Introduction to a number of sports medicine careers and investigation in creating pathways towards those careers. Implementation of a variety of teaching styles to match different learning styles in students.

L7. Analyze beliefs, attitudes, biases, stereotypes, and behaviors in individuals and communities regarding temporary needs, problems and concerns facing society;

Matching course component(s):

General Education Review Request
AREA VII – LIFELONG LEARNING

L8. Understand the importance of physical fitness and its impact on an individual's physical and mental health;

Matching course component(s): Course content is entirely focused on the health and well-being of active people.

Course Content (Body of knowledge) -

A. General Considerations
    1. Communication
    2. Pre-participation
    3. Practice locations
    4. Warm-up conditions
    5. Nutrition
    6. Protective equipment, braces
B. Foot, Ankle, Lower Leg
    1. Predisposing conditions
    2. Mechanisms of injury
    3. Injury prevention through exercise
    4. Protective adhesive strappings
C. Knee, Thigh, Pelvis
    1. Predisposing conditions
    2. Mechanisms of injury
    3. Injury prevention through exercise
    4. Protective adhesive strappings
D. Spine, Thoracic, Abdomen
    1. Predisposing conditions
    2. Mechanisms of injury
    3. Injury prevention through exercise
    4. Protective adhesive strappings
E. Shoulder and the Upper Extremity
    1. Predisposing conditions
    2. Mechanisms of injury
    3. Injury prevention through exercise
    4. Protective adhesive strappings

L9. Use technology to analyze problems and create solutions.

Matching course component(s): A variety of modalities are used in the prevention of injuries, including the use of advanced technology and digital platforms.

Course Content (Body of knowledge) -

A. General Considerations
    1. Communication
    2. Pre-participation
    3. Practice locations
    4. Warm-up conditions
    5. Nutrition
    6. Protective equipment, braces
B. Foot, Ankle, Lower Leg
    1. Predisposing conditions
    2. Mechanisms of injury
    3. Injury prevention through exercise
    4. Protective adhesive strappings
C. Knee, Thigh, Pelvis
    1. Predisposing conditions
    2. Mechanisms of injury

3. Injury prevention through exercise
4. Protective adhesive strappings

D. Spine, Thoracic, Abdomen
1. Predisposing conditions
2. Mechanisms of injury
3. Injury prevention through exercise
4. Protective adhesive strappings

E. Shoulder and the Upper Extremity
1. Predisposing conditions
2. Mechanisms of injury
3. Injury prevention through exercise
4. Protective adhesive strappings

Breadth Mapping: please indicate all that apply (if applicable)

B1. Communication (analytical reading, writing, speaking, and listening skills including evaluation, synthesis, and research).

Matching course component(s): Online reading and research, written assignments, in-person lectures, group presentations.

Methods of Evaluation -

A. Notebook
B. Quizzes
C. Practical examination

Method of Instruction -

A. Lecture and slide presentations concerning injury athletic prevention
B. Periods of practical question-answer sessions concerning athletic injury prevention

Types and/or Examples of Required Reading, Writing and Outside of Class Assignments -

C. Reading assignments from text
D. Discussion/chat online

B2. Computation (application of mathematical concepts, and/or using principles of data collection and analysis to solve problems).

Matching course component(s): Data collection and analysis regarding injury data, forces that cause injury, etc.

Methods of Evaluation -

A. Notebook
B. Quizzes
C. Practical examination

Method of Instruction -

A. Lecture and slide presentations concerning injury athletic prevention
B. Periods of practical question-answer sessions concerning athletic injury prevention

Types and/or Examples of Required Reading, Writing and Outside of Class Assignments -

A. Reading assignments from text
B. Discussion/chat online

General Education Review Request
AREA VII – LIFELONG LEARNING

B3. Clearly and precisely express their ideas in a logical and organized manner using the discipline-appropriate language.

Matching course component(s):

Methods of Evaluation -

A. Notebook
B. Quizzes
C. Practical examination

Method of Instruction -

A. Lecture and slide presentations concerning injury athletic prevention
B. Periods of practical question-answer sessions concerning athletic injury prevention

Types and/or Examples of Required Reading, Writing and Outside of Class Assignments -

A. Reading assignments from text
B. Discussion/chat online

B4. Community and global consciousness and responsibility (consideration of one's role in society at the local, regional, national, and global level in the context of cultural constructs and historical and contemporary events and issues).

Matching course component(s): Investigate the role of medical care givers in society.

Course Objectives -

The student will be able to:

A. identify basic musculo-skeletal anatomy.
B. apply various adhesive strapping techniques to prevent injuries to joints.
C. apply various elastic wrapping techniques to add support to injured muscles.
D. demonstrate flexibility exercises to stretch major muscle groups.
E. list the necessary items in a first aid kit.
F. identify inflexible muscle groups that predispose someone to injury.
G. employ knowledge of muscle anatomy by designing sport specific pre-activity warm-ups.
H. discuss cultural differences in prevention care.

B5. Information competency (ability to identify an information need, to find, evaluate and use information to meet that need in a legal and ethical way) and digital literacy (to teach and assess basic computer concepts and skills so that people can use computer technology in everyday life to develop new social and economic opportunities for themselves, their families, and their communities).

Matching course component(s): Medical documentation in both written and digital formats. Use of technology in multiple teaching styles.

Methods of Evaluation -

A. Notebook
B. Quizzes
C. Practical examination

Method of Instruction -

A. Lecture and slide presentations concerning injury athletic prevention
B. Periods of practical question-answer sessions concerning athletic injury prevention

General Education Review Request
AREA VII – LIFELONG LEARNING

Types and/or Examples of Required Reading, Writing and Outside of Class Assignments -

A. Reading assignments from text
B. Discussion/chat online

Requesting Faculty: Warren Voyce Date: 1/14/20

Division Curriculum Rep: Matt Stanley Date: 1/20/20

FOR USE BY GE SUBCOMMITTEE:

Review Committee Members: Hilary Gomes, Carolyn Brown

Recommended for Approval: X Not Recommended for Approval: _____ Date: 3-10-20

In the box below, please provide rationale regarding the subcommittee's recommendation:

No comments provided.

FOR USE BY CURRICULUM OFFICE:

Approved: _____ Denied: _____ CCC Co-Chair Signature: _____ Date: _____

FOOTHILL COLLEGE
Noncredit Program Narrative
Certificate of Competency in Bridge to College Level English

Item 1. Program Goals and Objectives

Students will demonstrate writing and reading English proficiency towards a level of college ready competency.

This program provides practical skills and knowledge for students progressing out of high school classes, adult education classes, and noncredit courses in English (NCEN) and ESL (NCEL), as well as students returning to school after a significant break due to work or family demands, or those seeking some English reading and writing proficiency for career advancement. This student group often includes more non-traditional, basic skills students who have been traditionally underserved by the institutions.

Moreover, this program awards students who start in the core course and move through the sequence organically. As a noncredit series, this program provides a unique opportunity for students who are placed into these courses requiring additional time and support, to be recognized and rewarded for their tenacity, and their efforts to develop, elevate, and apply their skills while also avoiding the burden of additional costs (be it time completing coursework, or money for additional classes). This burden continues to be disproportionately carried by those less prepared to bear it. In order to create equitable standards and opportunities, we must provide additional support, with no additional cost.

Taking these transfer-level English courses with the corequisites within the first year of college will also substantially improve student retention and success rates in college overall as they learn to apply and further develop their skills with each quarter within the noncredit courses, while concurrently completing their required credit courses for transfer, completion of certificates and/or degrees. Essentially, the program enables students to take their work in these courses and extend that learning into all other aspects of their college/academic career, excelling at the same pace as their peers.

Furthermore, students taking these courses independently, apart from the English credit sequence, as part of their academic enrichment, will be acknowledged for their pursuit of excellence and their desire to further develop themselves as learners within the institute and beyond, as they become prepared to extend their learning in the noncredit courses into their own classes across the disciplines. When taken independently, students will benefit from the connection with other students and other course materials, expanding their understanding of the interconnection between reading, writing, and critical thinking, and recognizing the diverse and varied application of these skill sets.

Program Learning Outcomes:

- As a result of this program students will be prepared to take degree-applicable credit coursework in pursuit of an associate degree or transfer.

- As a result of this program students will build college readiness skills in reading, writing, and critical thinking necessary to be successful in courses across the disciplines.
- As a result of this program students will develop metacognitive awareness of student success strategies for reading, writing, critical thinking and academic progress.
- As a result of this program students will feel confident to seek assistance in and out of class as needed to self-advocate.
- As a result of this program students will be able to identify campus resources to promote their academic success.
- As a result of this program students will gain equal access to degree-applicable courses without barriers resulting from economic, national, or cultural status.

Item 2. Catalog Description

The Certificate of Competency in Bridge to College Level English prepares students to be successful within the English discipline as well as in courses across the disciplines that demand critical reading, writing and thinking. The core course provides a foundation upon which students build as they transition into their transfer-level English courses, and the ongoing corequisite support courses encourage students to more readily complete the first-year requirements supported by the state's funding formula. Students will be exposed to college readiness skills courses for reading and writing at a college level, with significant focus on developing self-advocacy, agency, metacognitive awareness, and study skills, as well as reading and writing strategies to successfully complete assignments required in transfer-level courses.

Item 3. Program Requirements

Requirement	Course #	Title	Hours	Sequence
Required Core (60 hours)	NCEN 400 OR NCEL 400	ENGLISH BRIDGE BRIDGE TO COLLEGE	60 60	Year 1, Summer
Restricted Electives (24-72 hours)	NCEN 401A	BRIDGE TO TRANSFER ENGLISH	24	Year 1, Fall/ Winter/Spring
	OR BOTH NCEN 442A AND NCEN 442B	 CRITICAL THINKING: STUDENT-MANAGED PORTFOLIO DEVELOPMENT CRITICAL THINKING: PORTFOLIO MANAGEMENT & PUBLICATION	 24 24	 Year 1, Fall/ Winter/Spring
	OR BOTH NCEL 403A AND NCEL 403B	 TRANSITIONING TO COLLEGE ESL PART I TRANSITIONING TO COLLEGE ESL PART II	 36 36	 Year 1, Fall/ Winter/Spring

TOTAL HOURS: 84-132 hours

Item 4. Master Planning

History of the program proposal origins and curriculum offerings

Because the majority of the courses in the Certificate of Competency in Bridge to College Level English were originally written as credit courses to introduce students to college English composition classes and to provide concurrent corequisite support for transfer-level English to comply with AB 705 requirements, these courses will better serve students as noncredit classes, particularly for students who are transitioning from local high schools and adult schools to community college.

This program prepares students to advance to higher levels of English, both credit and noncredit, and provides the foundations for students to meet the requirements of an associate degree.

College Mission

The Foothill College mission statement articulates: "Believing a well-educated population is essential to sustaining and enhancing a democratic society, Foothill College offers programs and services that empower students to achieve their goals as members of the workforce, as future students and as global citizens. We work to obtain equity in achievement of student outcomes for all California student populations, and are guided by our core values of honesty, integrity, trust, openness, transparency, forgiveness, and sustainability."

This program is in keeping with the Foothill College mission statement in that students who complete the certificate are "empowered to achieve their" educational goals. Whether students are advancing into credit instruction, or refining their language skills for work, this program will provide students with the reading, writing and metacognitive preparation they need to succeed.

The program is also in keeping with the college's basic skills mission and provides opportunities for students to enhance all of their English and critical thinking skills including reading and writing. Since the courses in this program have no prerequisites, students completing the certificate may continue their pathway in this institution and beyond.

College/District Master Plan

According to the Foothill Educational Master Plan, "the college seeks to fulfill its education mission by supporting student achievement of certain learning outcomes, which emphasize knowledge and skills development beyond those of a specific discipline. Regardless of their educational goal or the number of courses and quarters completed successfully, Foothill college students should demonstrate equitable outcomes and

student success in areas that include written and oral communication in English, mathematics, critical and analytical thinking, creativity, teamwork, responsibility, and other proficiencies."

Furthermore, to address the achievement gap displayed among student population groups, the college prioritized success course completion rates and basic skills completion rates, with a specific equity goal to "collaborate with K-12, adult education, and four-year institutions in ways that serve students and society." As stated in the Master Plan, "Strengthening the pathway to transfer by collaborating with K-12, adult education, and four-year institutions can also contribute to developing a quality workforce who participates in higher-wage, higher-skill positions." The faculty who developed these courses worked with their colleagues in the high schools and adult schools in our service area to ensure that the courses in the program created a ladder from high school and adult school curriculum to the college's English curriculum.

Finally, the Foothill Educational Master Plan indicates that "increases in the senior population may affect course offerings, perhaps increasing emphasis on noncredit, community education, skills building, or advanced technical training." This program would be part of an overall endeavor in which the college has increased offerings in noncredit, with noncredit enrollment increasing from 1,566 to 4,389 students (+180%).

Objectives and conditions of higher education and community college education in California - statewide master planning

The report, "Preparing Students for Careers and College through Noncredit Enhanced Funding: Fiscal Year 2016-17," highlights the role of the California Community Colleges in advancing students' basic education and employment skills through the use of noncredit enhanced funding, stating, "Students who attain this education and training are better equipped to succeed in the world."

According to the report, "There are still opportunities to develop Career Development and College Preparation certificates in the future," and advises that "more colleges may develop certificates of competency or certificates of completion ***in basic skills*** and English as a second language." The report also suggests that "alternatively, colleges may decide to transition credit basic skills and credit English as a second language programs to noncredit," as has been done for the courses in this program. The report states, "Students will benefit from the reduced costs and preservation of their federal financial aid status. Currently students are capped at 30 credit units of basic skills under federal regulations. This change can create a more even distribution of noncredit use throughout the system."

Additional Information Required for State Submission:

TOP Code: 4930.60 - Elementary Education (Grades 1-8) or 1501.00 - English

Program Review Date: March, 2022

Distance Education: 0%

CDCP Eligibility Criteria: Elementary or Secondary Basic Skills

Ensure you're using the current version of this form by downloading a fresh copy from the CCC webpage!

FOOTHILL COLLEGE
Temporary Program Creation Process
Feedback Form for New Programs

Until the new permanent program creation process has been determined, as part of the temporary program creation process this form shall be used by a department to gather feedback on a new program from key governance committees on campus. A complete program narrative and supporting documentation must be submitted to the groups listed below (simultaneous submission is recommended). Each committee will provide initial feedback via email within two weeks but might also provide additional feedback after their monthly meetings.

After a two-week period, regardless of whether feedback has been received from the three committees, the Division Curriculum Committee may consider the new program for approval. Following Division CC approval, please forward this completed form to the Office of Instruction.

Faculty Author(s): Kimberly Escamilla, Allison Herman, Stephanie Chan
Division: Language Arts

Program Title: Certificate of Competency in Bridge to College Level English
Program Units: 84 Hours

Workforce/CTE Program (Y/N): N
Please note that Workforce/CTE status is dependent on the TOP Code assigned to the program.

Type of Award:
_____ Non-transcriptable credit certificate
_____ Certificate of Achievement
___X_ Noncredit Certificate of Competency
_____ AA/AS Degree (local)
_____ AA-T/AS-T Degree (ADT)

EQUITY & EDUCATION
https://foothill.edu/gov/equity-and-education/

Date of meeting:

The E&E committee is charged with taking on issues from an equity perspective. Within this framework, what feedback do you have?
Comments:

Program was forwarded to E&E on 5/24/19. No reply received.

REVENUE & RESOURCES
https://foothill.edu/gov/revenue-and-resources/

Date of meeting: 6/21/19

The R&R committee is charged with taking on issues from a budget perspective. Within this framework, what feedback do you have?
Comments:

See attached

ADVISORY COUNCIL
https://foothill.edu/gov/council/

Date of meeting:

The Advisory Council is charged with taking on issues from a college-wide planning perspective. Within this framework, what feedback do you have?
Comments:

Program was forwarded to Advisory Council on 5/24/19. No reply received.

Division Curriculum Committee Approval Date: 3/10/20

Division CC Representative: Allison Herman

New Program Creation: Questions for Consideration

Are there any new resources needed for this program?

Are there equipment/maintenance needs involved?
Does the resources needed built on existing programs?
Do faculty with specialized knowledge need to be hired?
Does the program need to access any specific labs or classrooms?

This program does not require new resources, but will need to be part of the automatic notification of awards for certificates, which may have additional college-wide costs.

This builds on the following existing programs: Summer Bridge; Supplemental Instruction; NCEN; NCEL and ESLL.

The faculty and classroom needs are built in to the regular scheduling process at the division level.

What is the anticipated student interest?

How was the decision to create program determined?

The program was created as a response to AB 705's dissolving of basic skills courses, as a way to provide an additional support structure for students in English 1A and English 1S/T and those seeking additional support and enhancement in writing-intensive courses across the curriculum.

Are there any resources needed to help students learn about this new program?

Would these resources be needed at the program level?
Would resources be needed from other areas of campus?

Students should learn about this program through counselors, assessment, and orientations in which they learn which English classes they will take.

SOAR and SOAR-on-the-Go will provide outreach to incoming high school students and Middle College students.

Does De Anza offer a similar program?

Does it compete? Does it matter?

This program does not compete with De Anza.

For CTE programs only: What are the current wage outcomes for completers?

What is the job demand?
What is the median wage?

Prepared by: Elaine Kuo, Facilitator

Foothill College
Credit Program Narrative
Certificate of Achievement in Bio-Health Diversity and Inclusion Leadership

Item 1. Program Goals and Objectives

"*The first question I always ask is, 'What do you know about racial health disparities and how do you hope to address them as a physician?' That question, perhaps more than any other, often determines who gets accepted*." --Medical School Admissions Interviewer

The quote above from a recent conversation with someone that conducts interviews for medical school applicants demonstrates the increasing importance of experiences in equity and inclusion for Foothill's biology and healthcare students. Medical schools, hospitals, and biological research entities, among others, specifically seek out candidates with an understanding of how issues of diversity impact their work. These organizations and employers understand that attending to diversity is critical for patient health and positive research outcomes.

However, very few opportunities exist for students to gain formal experience in diversity, equity, and inclusion within the specific contexts of their biology and healthcare fields. Foothill is unique in offering multiple service learning opportunities focused on those topics. The Certificate of Achievement in Bio-Health Diversity and Inclusion Leadership will formalize the pathway for biology and health science majors to gain certification in diversity/inclusion in their fields, which make our alumni more competitive for transfer and employment.

Program Learning Outcomes:

- Students will be able to articulate the importance of college and community service in the contexts of their biology and health fields
- Students will be able to articulate the importance of diversity and representation in the realms of biology and healthcare
- Students will be able to demonstrate inclusive practices in biology and healthcare

Item 2. Catalog Description

Medical schools, healthcare employers, and biological research organizations specifically seek out candidates with an understanding of how issues of diversity impact their work. These organizations and employers understand that attending to diversity is critical for patient health and for excellence in research. The Certificate of Achievement in Bio-Health Diversity and Inclusion Leadership provides a pathway for biology and health science students to gain certification in diversity, equity, inclusion, and service in their fields, such that students are more competitive for transfer and job applications. In earning this certificate, students will complete their major biology courses for their field alongside at least one service learning course focusing on service in bio/health fields.

Item 3. Program Requirements

Requirements	Course #	Title	Units	Sequence
Required Core (17-22 units)	BIOL 1A	Principles of Cell Biology	6	Y1 Fall
	and			
	BIOL 1B	Form & Function in Plants & Animals	6	Y1 Winter
	and			
	BIOL 1C	Evolution, Systematics & Ecology	6	Y1 Spring
	OR			
	BIOL 40A	Human Anatomy & Physiology I	5	Y1 Fall
	and			
	BIOL 40B	Human Anatomy & Physiology II	5	Y1 Winter
	and			
	BIOL 40C	Human Anatomy & Physiology III	5	Y1 Spring
	AND			
	BIOL 81	Learners Engaged in Advocating for Diversity in Science	4	Y1 Winter
	or			
	AHS 55	Community Health Promotion	2	Y1 Sum/Y2 Sum

TOTAL UNITS: 17-22 units

Proposed Sequence:
Year 1, Fall = 5-6 units
Year 1, Winter = 9-10 units
Year 1, Spring = 5-6 units
TOTAL UNITS: 19-22 units

Alternate Proposed Sequence:
Year 1, Fall = 5-6 units
Year 1, Winter = 5-6 units
Year 1, Spring = 5-6 units
Year 2, Summer = 2 units
TOTAL UNITS: 17-20 units

Item 4. Master Planning
The Certificate of Achievement in Bio-Health Diversity and Inclusion Leadership aligns closely with Foothill's mission to work toward equity and to support "students to achieve their goals as members of the workforce, as future students, and as global citizens." It similarly aligns with the equity and service learning-focused components of Foothill's educational master plan.

Item 5. Enrollment and Completer Projections

We estimate 15-20 certificates per year. BIOL 81 and AHS 55 are the limiting factors that will determine the total number of anticipated certificates per year. BIOL 81 is a new class with an enrollment cap of 32. AHS 55 is currently associated with participation in an international medical/dental brigade, which limits class size to 25. There is more than enough enrollment in the BIOL 1 and BIOL 40 series to safely anticipate BIOL 81 and/or AHS 55 will run each year. Given this assumption, and assuming most students taking BIOL 81 or AHS 55 would want to receive this certificate, we estimate 15-20 certificates per year.

		Year 1 - 2018-2019		Year 2 - 2017-2018	
Course #	**Course Title**	**Annual Sections**	**Annual Enrollment**	**Annual Sections**	**Annual Enrollment**
BIOL 1A	Principles of Cell Biology	8	193	9	238
BIOL 1B	Form & Function in Plants & Animals	5	156	6	160
BIOL 1C	Evolution, Systematics & Ecology	4	106	5	135
BIOL 40A	Human Anatomy & Physiology I	21	587	22	653
BIOL 40B	Human Anatomy & Physiology II	15	438	20	550
BIOL 40C	Human Anatomy & Physiology III	14	413	19	494
BIOL 81	Learners Engaged in Advocating for Diversity in Science	N/A	New Course (caps at 32)	N/A	New Course (caps at 32)
AHS 55	Community Health Promotion	1	15	1	20

Item 6. Place of Program in Curriculum/Similar Programs

No programs exist at Foothill that are similar to this new certificate. However, this certificate nicely complements existing tracks for allied health, nursing, and biology major students.

Item 7. Similar Programs at Other Colleges in Service Area

To our knowledge, no other colleges are offering a certificate of this sort. Given the value of this experience for transfer and job applications, we anticipate students will be attracted to Foothill for this unique opportunity.

Foothill College
Credit Program Narrative
Certificate of Achievement in Bio-Health Diversity and Inclusion Leadership

Additional Information Required for State Submission:

TOP Code: 4902.00 - Biological and Physical Sciences (and Mathematics)

Annual Completers: 15-20 based on enrollment projections for BIOL 81 and/or AHS 55

Faculty Workload: 0.6-0.8

New Faculty Positions: Zero

New Equipment: Zero

New/Remodeled Facilities: Zero

Library Acquisitions: Zero

Gainful Employment: No

Program Review Date: 2022-2023

Distance Education: 1-49%

Ensure you're using the current version of this form by downloading a fresh copy from the CCC webpage!

FOOTHILL COLLEGE
Temporary Program Creation Process
Feedback Form for New Programs

Until the new permanent program creation process has been determined, as part of the temporary program creation process this form shall be used by a department to gather feedback on a new program from key governance committees on campus. A complete program narrative and supporting documentation must be submitted to the groups listed below (simultaneous submission is recommended). Each committee will provide initial feedback via email within two weeks but might also provide additional feedback after their monthly meetings.

After a two-week period, regardless of whether feedback has been received from the three committees, the Division Curriculum Committee may consider the new program for approval. Following Division CC approval, please forward this completed form to the Office of Instruction.

Faculty Author(s): Jeff Schinske and Lisa Schultheis
Division: STEM

Program Title: Bio-Health Diversity and Inclusion Leadership
Program Units: 17-22

Workforce/CTE Program (Y/N): No
Please note that Workforce/CTE status is dependent on the TOP Code assigned to the program.

Type of Award:
_____ Non-transcriptable credit certificate
__X__ Certificate of Achievement
_____ Noncredit certificate
_____ AA/AS Degree (local)
_____ AA-T/AS-T Degree (ADT)

EQUITY & EDUCATION https://foothill.edu/gov/equity-and-education/
Date of meeting: *The E&E committee is charged with taking on issues from an equity perspective. Within this framework, what feedback do you have?* **Comments:** Program was forwarded to E&E on 2/19/20. No comments received.

REVENUE & RESOURCES
https://foothill.edu/gov/revenue-and-resources/

Date of meeting: 2/21/20

The R&R committee is charged with taking on issues from a budget perspective. Within this framework, what feedback do you have?
Comments:

No comments received.

ADVISORY COUNCIL
https://foothill.edu/gov/council/

Date of meeting:

The Advisory Council is charged with taking on issues from a college-wide planning perspective. Within this framework, what feedback do you have?
Comments:

Program was forwarded to Advisory Council on 2/19/20. No comments received.

Division Curriculum Committee Approval Date: 3/24/20

Division CC Representative: Lisa Schultheis & Rachelle Campbell

Articulation Agreement by Major

Effective during the 2019-2020 Academic Year

To: San Francisco State University 2019-2020 General Catalog, Semester	From: Foothill College 2019-2020 General Catalog, Quarter

Biology: General, B.A.

IMPACTION UPDATE

Effective Fall 2020, impaction status is discontinued for all degree programs in Biology. Regular admission criteria in effect for those applying for the Fall 2020 term and beyond.

ASSOCIATE DEGREE FOR TRANSFER INFORMATION

The AS-T in Biology (SB 1440 degree) is an approved transfer pathway for this major. Visit **SF State ADT Pathways and Roadmaps** for a list of all approved ADT pathways for SF State degree programs and to view sample post-transfer advising roadmaps for each pathway.

Students preparing to transfer into this major at SF State should complete any available articulated courses in the Requirement section(s) below. Completion of the American Institutions requirement (US-1, US-2, US-3) before transfer is also strongly recommended.

NOTE: At least one semester of organic chemistry is required for all Biology degree programs.

PREPARATION NOTE

1. Students planning graduate-level study in this discipline or preparing for the medical, dental or pharmacy professions should complete two semesters of calculus, two semesters of organic chemistry with lab, and a semester of physical chemistry.

2. Completion of a course equivalent to CHEM 115 before transfer is recommended. Note that all students are required to take a department-administered placement exam for CHEM 115 at SF State. *Students* may *enroll for CHEM 115 prior to taking the exam.* This exam is offered on two dates prior to the start of each semester. **More information about the placement exam here**.

EXTERNAL EXAMINATION CREDIT

Credit for Advanced Placement available for students in this major with qualifying scores. **More information here.**

CATALOG INFORMATION

San Francisco State University Bulletin (catalog): **http://bulletin.sfsu.edu**

- **Academic Programs:** Major and minor programs
- **Undergraduate Education:** GE and other graduation requirements; AP/IB/CLEP
- **Course Index:** Course descriptions

CONTACT

Visit the department website

Send questions regarding articulation to artic@sfsu.edu

LOWER DIVISION MAJOR REQUIREMENTS

Minimum grade required: C- or better
Must be taken for a letter grade

BIOL 230 - Introductory Biology I (5.00)

--- And ---

BIOL 240 - Introductory Biology II (5.00)

- *If the entire sequence is not completed prior to transfer, students must consult the department advisor prior to enrollment*

←

BIOL 1A - Principles of Cell Biology (6.00)

--- And ---

BIOL 1B - Form & Function in Plants & Animals (6.00)

--- And ---

BIOL 1C - Evolution, Systematics & Ecology (6.00)

CHEM 115 - General Chemistry I: Essential Concepts of Chemistry (5.00)

←

CHEM 1A - General Chemistry (5.00)

--- And ---

CHEM 1B - General Chemistry (5.00)

--- Or ---

CHEM 1A - General Chemistry (5.00)

--- And ---

CHEM 1BH - Honors General Chemistry (5.00)

--- Or ---

CHEM 1AH - Honors General Chemistry (5.00)

--- And ---

CHEM 1BH - Honors General Chemistry (5.00)

--- Or ---

CHEM 1AH - Honors General Chemistry (5.00)

--- And ---

CHEM 1B - General Chemistry (5.00)

CHEM 130 - General Organic Chemistry (3.00)

←

CHEM 12A - Organic Chemistry (4.00)

--- And ---

CHEM 12B - Organic Chemistry (4.00)

--- Or ---

CHEM 233 - Organic Chemistry I (3.00)

←

CHEM 12A - Organic Chemistry (4.00)

--- And ---

CHEM 12B - Organic Chemistry (4.00)

CHEM 215 - General Chemistry II: Quantitative Applications of Chemistry Concepts (3.00)

←

CHEM 1B - General Chemistry (5.00)

--- And ---

CHEM 1C - General Chemistry & Qualitative Analysis (5.00)

--- Or ---

CHEM 1BH - Honors General Chemistry (5.00)

--- And ---

CHEM 1C - General Chemistry & Qualitative Analysis (5.00)

PHYS 111 - General Physics I (3.00)

←

PHYS 2A - General Physics (5.00)

--- And ---

PHYS 2B - General Physics (5.00)

PHYS 112 - General Physics I Laboratory (1.00)

←

PHYS 2A - General Physics (5.00)

--- And ---

PHYS 2B - General Physics (5.00)

PHYS 121 - General Physics II (3.00)	←	**PHYS 2B** - General Physics (5.00) **--- And ---** **PHYS 2C** - General Physics (5.00)
PHYS 122 - General Physics II Laboratory (1.00)	←	**PHYS 2B** - General Physics (5.00) **--- And ---** **PHYS 2C** - General Physics (5.00)

Select 1 Course(s) from the following

MATH 124 - Elementary Statistics (3.00)	←	**MATH 10** - Elementary Statistics (5.00) **--- Or ---** **MATH 17** - Integrated Statistics II (5.00) **--- Or ---** **PSYC 7** - Statistics for the Behavioral Sciences (5.00) Same-As: SOC 7 **--- Or ---** **SOC 7** - Statistics for the Behavioral Sciences (5.00) Same-As: PSYC 7
MATH 226 - Calculus I (4.00)	←	**MATH 1A** - Calculus (5.00) **--- And ---** **MATH 1B** - Calculus (5.00) **--- Or ---** **MATH 1AH** - Honors Calculus I (5.00) **--- And ---** **MATH 1B** - Calculus (5.00) **--- Or ---** **MATH 1A** - Calculus (5.00) **--- And ---** **MATH 1BH** - Honors Calculus II (5.00) **--- Or ---** **MATH 1AH** - Honors Calculus I (5.00) **--- And ---** **MATH 1BH** - Honors Calculus II (5.00)

END OF AGREEMENT

Articulation Agreement by Major

Effective during the 2018-2019 Academic Year

To: California Polytechnic University, Pomona 2018-2019 General Catalog, Semester	From: Foothill College 2018-2019 General Catalog, Quarter

Biology, B.S.

THIS MAJOR ACCEPTS THE ASSOCIATE DEGREE FOR TRANSFER (ADT)

A California Community College student who has earned the ADT (AA-T or AS-T) is granted priority admission to the CSU into a "similar" baccalaureate degree program with a guarantee of junior standing, as long as the student meets all prescribed admission requirements. ADT students **will only be required to complete 60 additional semester units** to complete the requirements for the "similar" baccalaureate degree.

Additional ADT information: **www.adegreewithaguarantee.com**

THIS IS AN IMPACTED MAJOR

Campus Impaction

"Campus impaction" means that a campus has reached its enrollment capacity for instructional resources and physical support and cannot accommodate all the eligible undergraduate applications it receives.

In this case, the campus has established a **local admission area** for upper-division transfers. This means that, in general, applications received from students from outside the designated local area will be held to higher admission requirements than those received from students inside the local area.

Local Area Admission Preference

Transfer applicants applying to an impacted major will receive "Local Preference" for admission consideration based on our **local area** designation. In addition, as a part of our commitment to provide access to veterans, Cal Poly Pomona gives "Local Preference" to all veterans regardless of their institution.

The following majors are impacted, but do not have supplemental requirements:

- Business Administration, B.S. - Accounting Subplan/Option
- Architecture, B.Arch
- Physics, B.S. - General Subplan/Option

TRANSFER AND ADMISSION REQUIREMENTS

CSU Eligibility

Transfers must meet the minimum California State University eligibility requirements listed below as the first step in being considered for admission.

Cal Poly Pomona requires **all** transfers to complete the following by spring prior to fall enrollment or by summer for spring enrollment:

- Must be in good academic standing at the last institution attended.
- Must have minimum 2.00 GPA in transferable coursework.
- Must have at least minimum of 60 transferable semester units (90 quarter).
  - 30 of the 60 semester units (45 quarter), must be in General Education.
  - Completion of the "Golden Four."

Supplemental criteria may be required for **impacted majors**.

Cal Poly Pomona does not accept students who have completed a Bachelor's degree and are interested in a 2nd Bachelor's. We encourage you to consider a Graduate degree.

Golden Four

A1: Oral Communication: Complete, with a grade of "C-" or higher, a basic public speaking course or other communication course.

A2: English Composition: Complete, with a grade of "C-" or higher, an English composition course that emphasizes essay writing or reading and writing concurrently.

A3: Critical Thinking: Complete, with a grade of "C-" or higher, a second semester composition or writing course, or a course in reasoning and effective argumentative writing.

[All Engineering majors are exempt from completing Critical Thinking as a part of the admission requirements.]

B4: Mathematics/Quantitative Reasoning: Complete, with a grade of "C-" or higher, a mathematics course above the level of intermediate algebra.

Not all courses listed on this articulation agreement may be required for admission. Please refer to the admissions website below for more information regarding minimum admission requirements.

https://www.cpp.edu/~admissions/transfer/requirements.shtml

SUPPLEMENTAL CRITERIA COURSE REQUIREMENT

BIO 1210/L and BIO 1220/L

For transfer courses taken prior to Fall 2018:

BIO 121/L, BIO 122/L, and BIO 123/L

https://www.cpp.edu/~admissions/transfer/impacted-majors.shtml

GENERAL EDUCATION REQUIREMENTS

Transfer students may satisfy General Education requirements by completing the CSU General Education Breadth Certification pattern, the Intersegmental General Education Transfer Curriculum (IGETC), or by completing an **Associate Degree for Transfer (AA-T/AS-T)**.

Transfer students are advised to take courses required for their major as part of CSU General Education Breadth, as specified by each major, to achieve the minimum units to degree.

Major courses and campus-wide required courses that are approved for GE credit shall also fulfill (double count for) the GE requirement. [**EO 1100**]

For more information regarding Associate Degree for Transfer, please see your California community college counselor or visit: **www.adegreewithaguarantee.com/**

AMERICAN CULTURAL PERSPECTIVES (ACP) REQUIREMENT

The **American Cultural Perspectives (ACP) Requirement** is a graduation requirement. Courses satisfying this requirement may be part of either a student's General Education program, major, or minor. These courses may also be taken as electives. This requirement will not constitute an additional unit load on the degree requirements of students in any program. This requirement was implemented fall quarter, 1995.

To satisfy this requirement a student must take at least one four-unit course. Courses that meet the American Cultural Perspectives Requirement should satisfy all of the following criteria:

- Introduce theoretical perspectives and nonwestern/nontraditional approaches for studying gender, ethnicity, and class.
- Include the study of at least one other marker of social difference, such as sexual orientation, religious affiliation, national origin, etc.
- Include substantive materials (books/films/lectures/articles/etc.) by and/or about members of at least two of the following socio-cultural groups: African Americans, Native Americans, Chicano/Latino Americans, Asian Americans, Pacific Islands Americans, Middle Eastern Americans, and European/white ethnic Americans.
- Address intra-cultural differences as well as inter-cultural commonalities between groups that collectively represent the American population. The commonalities and differences may be examined by focusing on diverse cultural practices, environmental ethics, political histories, religious beliefs, or means of artistic expression.

The ACP Requirement section below contains articulated transfer courses approved to satisfy the ACP requirement at CPP.

GRADUATION WRITING TEST REQUIREMENT

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the semester following completion of 60 semester units for undergraduates.

Certification of graduation writing competence shall be transferable from one CSU campus to another.

https://www.calstate.edu/eo/EO-665.pdf

ADDITIONAL DEGREE REQUIREMENTS

This by-major articulation agreement is not representative of all courses required for the undergraduate degree, such as upper-division courses numbered 3000 and above. Please refer to the online University Catalog webpage below for a comprehensive list of undergraduate degree requirements.

https://catalog.cpp.edu/

MAJOR REQUIRED CORE

BIO 1210 - Foundations of Biology: Energy, Matter, and Information (3.00) **--- And ---** **BIO 1210L** - Foundations of Biology: Energy, Matter, and Information Laboratory (1.00)	←	**BIOL 1A** - Principles of Cell Biology (6.00)
BIO 1220 - Foundations of Biology: Evolution, Ecology, and Biodiversity (3.00) **--- And ---** **BIO 1220L** - Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory (1.00)	←	**BIOL 1B** - Form & Function in Plants & Animals (6.00) **--- And ---** **BIOL 1C** - Evolution, Systematics & Ecology (6.00)
BIO 2110L - Biostatistics Laboratory (1.00)	←	No Course Articulated
BIO 2400 - Genetics (3.00)	←	No Course Articulated
CHM 1210 - General Chemistry I (3.00) **--- And ---** **CHM 1210L** - General Chemistry Laboratory I (1.00)	←	**CHEM 1A** - General Chemistry (5.00) **--- And ---** **CHEM 1B** - General Chemistry (5.00) **--- Or ---** **CHEM 1AH** - Honors General Chemistry (5.00) **--- And ---** **CHEM 1BH** - Honors General Chemistry (5.00)
CHM 1220 - General Chemistry II (3.00) **--- And ---** **CHM 1220L** - General Chemistry Laboratory II (1.00)	←	**CHEM 1B** - General Chemistry (5.00) **--- And ---** **CHEM 1C** - General Chemistry & Qualitative Analysis (5.00) **--- Or ---** **CHEM 1BH** - Honors General Chemistry (5.00) **--- And ---** **CHEM 1C** - General Chemistry & Qualitative Analysis (5.00)
CHM 2010 - Elements of Organic Chemistry (3.00) **--- And ---** **CHM 2010L** - Elements of Organic Chemistry Laboratory (1.00)	←	No Comparable Course
--- Or ---		
CHM 3140 - Organic Chemistry I (4.00) **--- And ---** **CHM 3140L** - Organic Chemistry I Laboratory (1.00) • *Content credit only* • *No upper division credit*	←	No Course Articulated
ENG 1103 - First-Year Composition (3.00)	←	**ENGL 1A** - Composition & Reading (5.00) **--- Or ---** **ENGL 1AH** - Honors Composition & Reading (5.00) **--- Or ---** **ENGL 1S** - Integrated Composition & Reading (5.00) **--- And ---** **ENGL 1T** - Integrated Composition & Reading (5.00)

ENG 2105 - Written Reasoning (3.00)	←	**ENGL 1B** - Composition, Critical Reading & Thinking Through Literature (5.00) **--- Or ---** **ENGL 1BH** - Honors Composition, Critical Reading, & Thinking Through Literature (5.00)
NTR 2030 - Health, Nutrition and the Integrated Being (3.00)	←	No Course Articulated
--- Or ---		
PSY 2201 - Introduction to Psychology (3.00)	←	**PSYC 1** - General Psychology (5.00)
MAT 1200 - Calculus for the Life Sciences (3.00)	←	**MATH 1A** - Calculus (5.00)
STA 1300 - Biostatistics (3.00)	←	No Course Articulated

PHY 1210 - Physics of Motion, Fluids, and Heat (3.00) **--- And ---** **PHY 1210L** - Laboratory on Motion, Fluids, and Heat (1.00)	←	**PHYS 2A** - General Physics (5.00) **--- And ---** **PHYS 2B** - General Physics (5.00)
--- And ---		
PHY 1220 - Physics of Electromagnetism, Circuits, and Light (3.00) **--- And ---** **PHY 1220L** - Electromagnetism, Circuits, and Light Laboratory (1.00)	←	**PHYS 2B** - General Physics (5.00) **--- And ---** **PHYS 2C** - General Physics (5.00)
--- Or ---		
PHY 1510 - Introduction to Newtonian Mechanics (3.00) **--- And ---** **PHY 1510L** - Newtonian Mechanics Laboratory (1.00) • *Acceptable substitute*	←	**PHYS 4A** - General Physics (Calculus) (6.00) **--- And ---** **PHYS 4B** - General Physics (Calculus) (6.00)
--- And ---		
PHY 1520 - Introduction to Electromagnetism and Circuits (3.00) **--- And ---** **PHY 1520L** - Introductory Laboratory on Electromagnetism and Circuits (1.00) • *Acceptable substitute*	←	**PHYS 4B** - General Physics (Calculus) (6.00) **--- And ---** **PHYS 4C** - General Physics (Calculus) (6.00)

MAJOR REQUIRED EMPHASIS ELECTIVES

Select 30 - 31 Unit(s) from the following

Select courses in consultation with an advisor

Only lower division courses listed

BIO 2340 - Human Anatomy (2.00) **--- And ---** **BIO 2340L** - Human Anatomy Laboratory (2.00)	←	**BIOL 40A** - Human Anatomy & Physiology I (5.00) **--- Or ---** **BIOL 40B** - Human Anatomy & Physiology II (5.00) **--- Or ---** **BIOL 40C** - Human Anatomy & Physiology III (5.00)
BIO 2350 - Human Physiology (3.00) **--- And ---** **BIO 2350L** - Human Physiology Laboratory (1.00)	←	**BIOL 40A** - Human Anatomy & Physiology I (5.00) **--- Or ---** **BIOL 40B** - Human Anatomy & Physiology II (5.00) **--- Or ---** **BIOL 40C** - Human Anatomy & Physiology III (5.00) **--- Or ---** **BIOL 14** - Human Biology (5.00)

BIO 2370 - Introduction to Invertebrate Zoology (3.00) **--- And ---** **BIO 2370L** - Introduction to Invertebrate Zoology Laboratory (1.00)	←	**BIOL 1B** - Form & Function in Plants & Animals (6.00)
BIO 2380 - Introduction to Vertebrate Zoology (3.00) **--- And ---** **BIO 2380L** - Introduction to Vertebrate Zoology Laboratory (1.00)	←	**BIOL 1B** - Form & Function in Plants & Animals (6.00)
BIO 2050 - Form and Function in Plants (3.00) **--- And ---** **BIO 2050L** - Form and Function in Plants Laboratory (1.00)	←	No Course Articulated
PLT 2310 - Basic Soil Science (2.00) **--- And ---** **PLT 2310L** - Basic Soil Science Laboratory (1.00)	←	No Course Articulated
BIO 2060 - Basic Microbiology (3.00) **--- And ---** **BIO 2060L** - Basic Microbiology Laboratory (1.00)	←	**BIOL 41** - Microbiology (6.00)

AMERICAN CULTURAL PERSPECTIVES (ACP) REQUIREMENT

Select 1 Course(s) from the following

Only lower division courses listed

ANT 1020 - Introduction to Cultural Anthropology (3.00)	←	**ANTH 2A** - Cultural Anthropology (4.00) **--- Or ---** **ANTH 2AH** - Honors Cultural Anthropology (4.00)
ENG 2320 - American Literature Since 1865 (3.00)	←	**ENGL 45B** - Survey of American Literature II: 1865 to the Present (5.00)
ENG 2330 - Multicultural Literature in the U.S. (3.00)	←	No Course Articulated
EWS 1400 - Introduction to Ethnic Studies (3.00)	←	**SOC 23** - Race & Ethnic Relations (4.00)
EWS 1450 - Introduction to Gender Studies (3.00)	←	**WMN 5** - Introduction to Women's Studies (4.00)
EWS 2900 - Multicultural Leadership (3.00)	←	No Course Articulated
HST 2202 - United States History, 1877 to Present (3.00)	←	**HIST 17B** - History of the United States from 1812 to 1914 (4.00) **--- Or ---** **HIST 17C** - History of the United States from 1914 to the Present (4.00)
--- Or ---		
HST 2201 - United States History to 1877 (3.00) • *Acceptable substitute*	←	**HIST 17A** - History of the United States to 1815 (4.00)
IGE 2200 - Encountering Difference: Culture and Power (3.00)	←	No Course Articulated
IGE 2300 - Ways of Doing: Culture, Society, and the Sciences (3.00)	←	No Course Articulated
NTR 2280 - Food and Culture (3.00)	←	No Course Articulated

END OF AGREEMENT

FOOTHILL COLLEGE
College Curriculum Committee
Proposal to Create New Ad Hoc Committee: Curriculum Best Practices

Name of Committee
Curriculum Best Practices (CBP) Ad Hoc Committee

Process

A. The committee shall document best practices for curriculum development and management within a decentralized curriculum model.
B. To aid in the documentation process, CCC highly recommends that the committee:
    a. Gather input from the curriculum reps from each division, including any resources and/or platforms (e.g., Canvas sites) currently in use
    b. Review resources published at the state level (e.g., ASCCC, CCCCO) for possible adaptation for local use
    c. Review any previous handbooks/resources published locally (e.g., CCC Orientation PowerPoint, Office of Instruction handouts/checklists)
C. CCC highly recommends that the resulting handbook/documentation not be created in hardcopy format; instead, a dynamic platform shall be used (e.g., Canvas).
D. The resulting documentation should not be presented as the definitive approach for all divisions; instead, it shall be a list of suggestions that each division can adapt to fit their unique needs.

Structure

A. The committee shall have a chairperson.
B. The committee membership shall be open to all college faculty.

Time Frame

A. The start date for the committee shall be the date of approval of this proposal.
B. The committee chairperson shall present the committee's findings and recommendation in fall of 2020.

Draft

FOOTHILL COLLEGE
College Curriculum Committee
Proposal to Create New Ad Hoc Committee: Foothill General Education Process

Name of Committee
Foothill General Education (GE) Process Ad Hoc Committee

Process

A. The committee shall review the current General Education Subcommittee structure to determine if modifications to that structure are necessary. This review shall include the current process used for GE course applications submitted by faculty, as well as the current process used for GE course substitution forms submitted by students.
B. Additionally, CCC highly recommends that the committee draft the following, for which processes do not currently exist:
    a. Process to address insufficient membership in the subcommittee for a particular GE Area
    b. Process for bringing GE applications to CCC in cases where the subcommittee is overloaded or has insufficient membership

Structure

A. The committee shall have a chairperson.
B. The committee membership shall be open to all college faculty.
C. Ideally, the committee membership shall include one or more counselors, particularly to aid in the discussion of course substitution forms

Time Frame

A. The start date for the committee shall be the date of approval of this proposal.
B. The end date for the committee shall be no later than June 16, 2020.
C. The committee chairperson shall present the committee's findings and recommendation at the CCC meeting on June 16, 2020.

Draft

FOOTHILL COLLEGE
College Curriculum Committee
Proposal to Create New Ad Hoc Committee: Honors Institute Course Prerequisite

Name of Committee
Honors Institute Course Prerequisite Ad Hoc Committee

Process

A. The committee shall investigate the impact of removing the "Honors Institute participant" prerequisite from honors courses.
B. To aid in its investigation, CCC highly recommends that the committee include:
    a. Comparison of previous requirements for students entering Honors Program with current requirements
    b. Research of other community colleges in our region (what are their requirements? do they require a course prerequisite?)
    c. Input from UCLA Transfer Alliance Program (TAP) and UCI Honors Program
C. The committee shall make a recommendation which ensures Title V compliance—specifically, focusing on the language of the COR to show significant differences between honors and non-honors courses.
    a. The current prerequisite of "Honors Institute participant," on its own, does not exactly align with the language of Title V, which stipulates that a student "has the skills, concepts, and/or information" to succeed in the honors courses for which they register

Structure

A. The committee shall have a chairperson.
B. The committee membership shall:
    a. Include the Honors Institute co-directors
    b. Include the college Articulation Officer
    c. Be open to all honors faculty ~~college faculty currently teaching honors courses~~
C. Ideally, the committee membership shall include a minimum of one faculty member from each division, including one or more honors counselors, and include both faculty who have many years of experience teaching honors and those new to teaching honors

Time Frame

A. The start date for the committee shall be the date of approval of this proposal.
B. The end date for the committee shall be no later than June 16, 2020.
C. The committee chairperson shall present the committee's findings and recommendation at the CCC meeting on June 16, 2020.

Draft

Academic Period	Division Code	Division Desc	Subject	Course Number	Subject and Course Number	CRN	Section No	Course Modality	Course Title	Course Status	Schedule Code	Schedule Desc	Campus Code	Campus Des
202111	1BH	Biological & Health Sciences	BIOL	F001C	BIOL_F001C	10005	001	F2F	Evolution, Systematics & Ecology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	D H	F070R	D H_F070R	10168	001	F2F	Independent Study In Dental Hygiene	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	D H	F320A	D H_F320A	10730	001	F2F	Clinical Dental Hygiene I	Open-Students May Register	7	Clinical (04 to State)	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	D H	F322.	D H_F322.	10731	001	F2F	Local Anesthesia	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	EMS	F063B	EMS_F063B	10732	001	F2F	Paramedic Hospital Emergency Department Rotations	Open-Students May Register	7	Clinical (04 to State)	FO	Foothill, Off Campus
202111	1BH	Biological & Health Sciences	HORT	F080D	HORT_F080D	10433	001	F2F	Environmental Horticulture Summer Skills	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	NCBH	F400.	NCBH_F400.	10156	050	F2F	Supplemental Instruction: Biological & Health Sciences	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	PHT	F200L	PHT_F200L	10729	001	F2F	Pharmacy Technician As A Career	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	RSPT	F055D	RSPT_F055D	10055	001	F2F	Mediated Studies In Respiratory Therapy Iv	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	RSPT	F061A	RSPT_F061A	10034	001	F2F	Adult Mechanical Ventilation	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	RSPT	F061A	RSPT_F061A	10035	002	F2F	Adult Mechanical Ventilation	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	RSPT	F070A	RSPT_F070A	10735	001	F2F	Clinical Rotation I	Open-Students May Register	7	Clinical (04 to State)	FO	Foothill, Off Campus
202111	1BH	Biological & Health Sciences	RSPT	F070A	RSPT_F070A	10736	002	F2F	Clinical Rotation I	Open-Students May Register	7	Clinical (04 to State)	FO	Foothill, Off Campus
202111	1BH	Biological & Health Sciences	V T	F070R	V T_F070R	10340	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	V T	F071R	V T_F071R	10191	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	V T	F072R	V T_F072R	10192	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1BH	Biological & Health Sciences	V T	F073R	V T_F073R	10193	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1LA	Language Arts	ESLL	F125.	ESLL_F125.	10329	001	F2F	Composition & Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1LA	Language Arts	ESLL	F249.	ESLL_F249.	10144	001	F2F	Advanced Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1LA	Language Arts	NCEL	F400.	NCEL_F400.	10298	001	F2F	Bridge To College	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202111	1PE	Kinesiology and Athletics	ATHL	F004.	ATHL_F004.	10111	001	F2F	Intercollegiate Football I (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F004.	ATHL_F004.	10112	002	F2F	Intercollegiate Football I (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F004E	ATHL_F004E	10205	001	F2F	Intercollegiate Football (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F004E	ATHL_F004E	10206	002	F2F	Intercollegiate Football (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F011A	ATHL_F011A	10108	001	F2F	Preseason Conditioning For Men's Basketball	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F012A	ATHL_F012A	10727	001	F2F	Preseason Conditioning For Women's Basketball	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F021.	ATHL_F021.	10214	001	F2F	Intercollegiate Soccer I (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F022.	ATHL_F022.	10113	001	F2F	Intercollegiate Soccer I (women)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F022C	ATHL_F022C	10174	001	F2F	Functional Fitness For Women's Soccer	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F033.	ATHL_F033.	10120	001	F2F	Intercollegiate Water Polo I (women)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F033A	ATHL_F033A	10339	001	F2F	Preseason Conditioning For Women's Water Polo	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	ATHL	F042.	ATHL_F042.	10213	001	F2F	Intercollegiate Volleyball I (women)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	KINS	F070R	KINS_F070R	10383	001	F2F	Independent Study In Kinesiology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F022B	PHED_F022B	10754	001	F2F	Pilates & Yoga	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F022B	PHED_F022B	10760	002	F2F	Pilates & Yoga	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F022C	PHED_F022C	10755	001	F2F	Core Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F022C	PHED_F022C	10761	002	F2F	Core Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F024.	PHED_F024.	10103	001	F2F	Introduction To Golf	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F024A	PHED_F024A	10359	001	F2F	Swing Development For The Experienced Golfer	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F025A	PHED_F025A	10104	001	F2F	Swing Analysis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F027.	PHED_F027.	10756	001	F2F	Walk For Health	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F027A	PHED_F027A	10757	001	F2F	Run For Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F027B	PHED_F027B	10758	001	F2F	Intermediate Run For Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F027C	PHED_F027C	10759	001	F2F	Intermediate Walk For Health	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F047B	PHED_F047B	10752	002	F2F	Thighs, Abs & Gluteus (tag)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PE	Kinesiology and Athletics	PHED	F047C	PHED_F047C	10753	001	F2F	High-intensity Interval Training (hiit)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F001A	CHEM_F001A	10065	001	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F001A	CHEM_F001A	10078	002	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F001B	CHEM_F001B	10007	001	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F001C	CHEM_F001C	10008	001	F2F	General Chemistry & Qualitative Analysis	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F012C	CHEM_F012C	10145	001	F2F	Organic Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	10355	002	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	10506	001	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	CHEM	F12CL	CHEM_F12CL	10203	001	F2F	Organic Chemistry Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	ENGR	F070R	ENGR_F070R	10148	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	ENGR	F071R	ENGR_F071R	10178	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	ENGR	F072R	ENGR_F072R	10287	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	ENGR	F073R	ENGR_F073R	10288	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	10015	001	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	MATH	F022.	MATH_F022.	10187	001	F2F	Discrete Mathematics	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	MATH	F070R	MATH_F070R	10283	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	MATH	F071R	MATH_F071R	10284	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	MATH	F072R	MATH_F072R	10285	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	MATH	F073R	MATH_F073R	10286	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	10594	050	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	10022	002	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	10519	001	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	PHYS	F004B	PHYS_F004B	10564	003	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	PHYS	F004B	PHYS_F004B	10749	004	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus

202111	1PS	Physical Scienc, Math & Engin	PHYS	F070R	PHYS_F070R	10289	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	PHYS	F071R	PHYS_F071R	10290	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	PHYS	F072R	PHYS_F072R	10291	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1PS	Physical Scienc, Math & Engin	PHYS	F073R	PHYS_F073R	10292	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	10338	009	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	10394	001	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	10570	002	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	10571	003	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	10602	005	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10195	019	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10196	020	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10404	001	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10405	002	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10572	004	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10608	006	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10612	005	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10613	008	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	10614	009	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	10202	017	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	10322	018	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	10323	009	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	10325	003	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	10333	004	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	10575	002	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	10579	005	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	10609	006	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	10158	010	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	10199	002	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	10324	012	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	10576	004	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	10578	007	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	10616	008	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F451Y	ALCB_F451Y	10411	005	F2F	Drawing & Painting	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F451Y	ALCB_F451Y	10611	002	F2F	Drawing & Painting	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F451Y	ALCB_F451Y	10615	003	F2F	Drawing & Painting	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	10330	007	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	10412	005	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	10413	008	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F462Y	ALCB_F462Y	10332	015	F2F	Verbal Expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F462Y	ALCB_F462Y	10393	004	F2F	Verbal Expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F463Y	ALCB_F463Y	10574	002	F2F	Creative Writing	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	10190	003	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	10201	011	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	10305	013	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	10410	006	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	10573	002	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	10610	005	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	10617	007	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SR	Student Resourc & Support Prog	ALCB	F467.	ALCB_F467.	10577	001	F2F	Healthy Living	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202111	1SR	Student Resourc & Support Prog	PHDA	F017.	PHDA_F017.	10212	001	F2F	Modified Resistive Exercise	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SR	Student Resourc & Support Prog	PHDA	F021A	PHDA_F021A	10208	001	F2F	Modified Aquatics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ANTH	F071R	ANTH_F071R	10354	001	F2F	Independent Study In Anthropology	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SS	Business & Social Sciences	ANTH	F072R	ANTH_F072R	10371	001	F2F	Independent Study In Anthropology	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SS	Business & Social Sciences	ANTH	F073R	ANTH_F073R	10372	001	F2F	Independent Study In Anthropology	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202111	1SS	Business & Social Sciences	ITRN	F050.	ITRN_F050.	10358	002	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ITRN	F050.	ITRN_F050.	10548	003	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ITRN	F051.	ITRN_F051.	10151	001	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ITRN	F051.	ITRN_F051.	10549	003	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ITRN	F052.	ITRN_F052.	10198	001	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ITRN	F052.	ITRN_F052.	10550	002	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ITRN	F053.	ITRN_F053.	10150	001	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	ITRN	F054.	ITRN_F054.	10118	001	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202111	1SS	Business & Social Sciences	SOSC	F079.	SOSC_F079.	10373	001	F2F	Introduction To Community/civic Engagement	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus

Academic Period	Division Code	Division Desc	Subject	Course Number	Subject and Course Number	CRN	Section No	Course Modality	Course Title	Course Status	Schedule Code	Schedule Desc	Campus Code	Campus Des
202121	1BH	Biological & Health Sciences	BIOL	F001A	BIOL_F001A	20018	001	F2F	Principles Of Cell Biology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	BIOL	F001A	BIOL_F001A	20168	002	F2F	Principles Of Cell Biology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	BIOL	F001A	BIOL_F001A	20306	003	F2F	Principles Of Cell Biology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	BIOL	F001B	BIOL_F001B	20148	001	F2F	Form & Function In Plants & Animals	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	BIOL	F009L	BIOL_F009L	20433	001	F2F	Environmental Biology Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D A	F051A	D A_F051A	20817	001	F2F	Introduction To Chairside Dental Assisting	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D A	F051A	D A_F051A	20818	002	F2F	Introduction To Chairside Dental Assisting	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D A	F053A	D A_F053A	20160	002	F2F	Introduction To Radiography I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D A	F053A	D A_F053A	20321	001	F2F	Introduction To Radiography I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D A	F062A	D A_F062A	20057	001	F2F	Dental Sciences I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D A	F071.	D A_F071.	20058	001	F2F	Infection Control & Hazardous Waste Management	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F071R	D H_F071R	20379	001	F2F	Independent Study In Dental Hygiene	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F302.	D H_F302.	20553	001	F2F	Assessment Procedures In Dental Hygiene	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F304.	D H_F304.	20554	001	F2F	Pre-clinical Dental Hygiene	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F305A	D H_F305A	20555	001	F2F	Introduction To Dental Radiography I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F316B	D H_F316B	20633	001	F2F	Periodontics Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F320B	D H_F320B	20634	001	F2F	Clinical Dental Hygiene Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F324.	D H_F324.	20635	001	F2F	Oral Pathology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F326A	D H_F326A	20636	001	F2F	Community Dental Health I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	D H	F328A	D H_F328A	20637	001	F2F	Clinical Dental Hygiene Theory I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	DMS	F056A	DMS_F056A	20061	001	F2F	Vascular Sonography	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	EMS	F052.	EMS_F052.	20859	001	F2F	Emergency Medical Technician: Basic Part A	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F052A	EMS_F052A	20858	001	F2F	Emergency Medical Technician Simulation Laboratory I	Open-Students May Register	4	Laboratory/Studio/Activity	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F053.	EMS_F053.	20984	001	F2F	Emergency Medical Technician: Basic Part B	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F053A	EMS_F053A	20985	001	F2F	Emergency Medical Technician Simulation Laboratory Ii	Open-Students May Register	4	Laboratory/Studio/Activity	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F060A	EMS_F060A	20986	001	F2F	Paramedic Cognitive & Affective Ia	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F060B	EMS_F060B	20987	001	F2F	Paramedic Cognitive, Psychomotor & Affective Ib	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F063B	EMS_F063B	20663	001	F2F	Paramedic Hospital Emergency Department Rotations	Open-Students May Register	7	Clinical (04 to State)	FO	Foothill, Off Campus
202121	1BH	Biological & Health Sciences	EMS	F401.	EMS_F401.	20865	001	F2F	Emergency Medical Technician: Basic Part A Noncredit	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F401A	EMS_F401A	20876	001	F2F	Emergency Medical Technician Simulation Laboratory I Noncredit	Open-Students May Register	4	Laboratory/Studio/Activity	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F402.	EMS_F402.	20990	001	F2F	Emergency Medical Technician: Basic Part B Noncredit	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	EMS	F402A	EMS_F402A	20991	001	F2F	Emergency Medical Technician Simulation Laboratory Ii Noncredit	Open-Students May Register	4	Laboratory/Studio/Activity	FC	Foothill Sunnyvale Center
202121	1BH	Biological & Health Sciences	HORT	F015.	HORT_F015.	20225	001	F2F	Orientation To Environmental Horticulture	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	HORT	F021.	HORT_F021.	20226	001	F2F	Plant Materials I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	HORT	F024.	HORT_F024.	20992	001	F2F	Plant Materials: Ground Covers & Vines	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	HORT	F040.	HORT_F040.	20227	001	F2F	Landscape Design: Graphic Communication	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	HORT	F045.	HORT_F045.	20449	001	F2F	Vectorworks For Landscape Designers	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	HORT	F054A	HORT_F054A	20785	001	F2F	Landscape Construction: General Practices	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	HORT	F080A	HORT_F080A	20450	001	F2F	Environmental Horticulture Fall Skills	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	NCBH	F400.	NCBH_F400.	21513	003	F2F	Supplemental Instruction: Biological & Health Sciences	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	NCBH	F400.	NCBH_F400.	21574	004	F2F	Supplemental Instruction: Biological & Health Sciences	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	PHT	F050.	PHT_F050.	20112	001	F2F	Orientation To Pharmacy Technology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	PHT	F051.	PHT_F051.	20113	001	F2F	Basic Pharmaceutics	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	PHT	F052A	PHT_F052A	20114	001	F2F	Inpatient Dispensing	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	PHT	F053.	PHT_F053.	20115	001	F2F	Ambulatory Pharmacy Practice	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	PHT	F054A	PHT_F054A	20116	001	F2F	Dosage Calculations A	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	PHT	F055A	PHT_F055A	20299	001	F2F	Pharmacology A	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F052D	R T_F052D	20157	001	F2F	Digital Image Acquisition & Display	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F054A	R T_F054A	20129	001	F2F	Basic Patient Care For Imaging Technology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F055A	R T_F055A	20675	001	F2F	Principles Of Radiologic Technology I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F061A	R T_F061A	20863	001	F2F	Radiology Research Project I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F062A	R T_F062A	20130	001	F2F	Advanced Modalities In Imaging	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F063A	R T_F063A	20131	001	F2F	Radiographic Clinical Practicum I	Open-Students May Register	7	Clinical (04 to State)	FO	Foothill, Off Campus
202121	1BH	Biological & Health Sciences	R T	F200L	R T_F200L	20768	051	F2F	Radiologic Technology As A Career	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F53AL	R T_F53AL	20211	001	F2F	Applied Radiographic Technology Laboratory I	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	R T	F53AL	R T_F53AL	21397	002	F2F	Applied Radiographic Technology Laboratory I	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F050A	RSPT_F050A	20132	001	F2F	Respiratory Therapy Procedures	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F050A	RSPT_F050A	20184	002	F2F	Respiratory Therapy Procedures	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F050A	RSPT_F050A	20185	003	F2F	Respiratory Therapy Procedures	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F051A	RSPT_F051A	20133	001	F2F	Introduction To Respiratory Anatomy & Physiology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F052.	RSPT_F052.	20134	001	F2F	Applied Science For Respiratory Therapy	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F053B	RSPT_F053B	20135	001	F2F	Advanced Respiratory Therapy Pharmacology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F054.	RSPT_F054.	20136	001	F2F	Orientation To Respiratory Care	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F055A	RSPT_F055A	20235	001	F2F	Mediated Studies In Respiratory Therapy I	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F055E	RSPT_F055E	20295	001	F2F	Mediated Studies In Respiratory Therapy V	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F061B	RSPT_F061B	20137	001	F2F	Neonatal Respiratory Care	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F061B	RSPT_F061B	20186	002	F2F	Neonatal Respiratory Care	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	RSPT	F070B	RSPT_F070B	20425	001	F2F	Clinical Rotation Ii	Open-Students May Register	7	Clinical (04 to State)	FO	Foothill, Off Campus
202121	1BH	Biological & Health Sciences	V T	F053A	V T_F053A	20440	001	F2F	Veterinary Medical Terminology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F054A	V T_F054A	20142	001	F2F	Comparative Veterinary Anatomy & Physiology For The Veterinary Technician	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F054A	V T_F054A	20187	002	F2F	Comparative Veterinary Anatomy & Physiology For The Veterinary Technician	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F061.	V T_F061.	20729	001	F2F	Animal Diseases	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F070R	V T_F070R	20378	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F071R	V T_F071R	20377	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus

202121	1BH	Biological & Health Sciences	V T	F072R	V T_F072R	20997	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F073R	V T_F073R	20998	001	F2F	Independent Study In Veterinary Technology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F083.	V T_F083.	20996	001	F2F	Pharmacology For Veterinary Nurses	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1BH	Biological & Health Sciences	V T	F091.	V T_F091.	20183	001	F2F	Clinical Internship Ii	Open-Students May Register	7	Clinical (04 to State)	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F044.	ART_F044.	21226	001	F2F	Ceramic Sculpture	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045A	ART_F045A	20192	001	F2F	Beginning Ceramics Handbuilding	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045A	ART_F045A	20279	002	F2F	Beginning Ceramics Handbuilding	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045A	ART_F045A	21377	003	F2F	Beginning Ceramics Handbuilding	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045B	ART_F045B	20193	001	F2F	Beginning Ceramics Potter's Wheel	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045B	ART_F045B	20231	002	F2F	Beginning Ceramics Potter's Wheel	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045B	ART_F045B	20481	003	F2F	Beginning Ceramics Potter's Wheel	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045B	ART_F045B	20855	004	F2F	Beginning Ceramics Potter's Wheel	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045C	ART_F045C	20479	001	F2F	Advanced Ceramics	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F045C	ART_F045C	20856	002	F2F	Advanced Ceramics	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F046B	ART_F046B	20478	001	F2F	Potter's Wheel Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F046B	ART_F046B	20770	002	F2F	Potter's Wheel Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	ART	F070R	ART_F070R	20607	001	F2F	Independent Study In Art	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	GID	F053B	GID_F053B	20301	01Q	F2F	Intermediate T-shirt Design & Garment Printing	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	GID	F053C	GID_F053C	20705	001	F2F	Advanced T-shirt Design & Garment Printing	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	MUS	F012A	MUS_F012A	20103	001	F2F	Beginning Class Piano	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	MUS	F012A	MUS_F012A	20104	002	F2F	Beginning Class Piano	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	MUS	F012B	MUS_F012B	20105	01Q	F2F	Intermediate Class Piano	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	MUS	F012B	MUS_F012B	20861	02Q	F2F	Intermediate Class Piano	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	MUS	F012C	MUS_F012C	20106	01Q	F2F	Advanced Class Piano	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	MUS	F012C	MUS_F012C	20862	02Q	F2F	Advanced Class Piano	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F020A	THTR_F020A	20487	001	F2F	Acting I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F025.	THTR_F025.	21013	001	F2F	Introduction To Fashion & Costume Construction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F025.	THTR_F025.	21124	002	F2F	Introduction To Fashion & Costume Construction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F025B	THTR_F025B	21014	01Q	F2F	Fashion & Costume Construction Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F025C	THTR_F025C	21015	01Q	F2F	Fashion & Costume Construction Iii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F043E	THTR_F043E	21165	002	F2F	Improvisation	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F045A	THTR_F045A	20483	001	F2F	Technical Theatre In Production I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F045B	THTR_F045B	20484	001	F2F	Technical Theatre In Production Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F045C	THTR_F045C	20518	01Q	F2F	Technical Theatre In Production Iii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F045D	THTR_F045D	20777	001	F2F	Technical Theatre In Production Iv	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F045E	THTR_F045E	20485	002	F2F	Technical Theatre Management In Production	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F045F	THTR_F045F	20455	001	F2F	Technical Theatre Management In Production Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F049A	THTR_F049A	20451	001	F2F	Performance Production I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F049B	THTR_F049B	20452	01Q	F2F	Performance Production Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F049C	THTR_F049C	20453	01Q	F2F	Performance Production Iii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F049D	THTR_F049D	20454	01Q	F2F	Performance Production Iv	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F070R	THTR_F070R	20419	001	F2F	Independent Study In Theatre Arts	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F070R	THTR_F070R	21166	002	F2F	Independent Study In Theatre Arts	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1FA	Fine Arts & Communications	THTR	F072R	THTR_F072R	20878	002	F2F	Independent Study In Theatre Arts	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1GU	Counseling and Matriculation	CNSL	F001.	CNSL_F001.	20958	01P	F2F	College Success	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1GU	Counseling and Matriculation	CNSL	F072.	CNSL_F072.	20558	001	F2F	Stress, Wellness & Coping	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F001S	ENGL_F001S	20351	01C	F2F	Integrated Composition & Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F001S	ENGL_F001S	20825	02C	F2F	Integrated Composition & Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21043	1CU	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21045	2CP	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21046	04C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21047	05C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21048	06C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21049	07C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21050	08C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21051	09C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21052	10C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21053	11C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ENGL	F246A	ENGL_F246A	21054	12C	F2F	Composition & Reading Supplemental Instruction	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F125.	ESLL_F125.	20667	001	F2F	Composition & Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F125.	ESLL_F125.	20821	003	F2F	Composition & Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F125.	ESLL_F125.	20822	004	F2F	Composition & Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F226.	ESLL_F226.	20678	001	F2F	High-intermediate Grammar	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F226.	ESLL_F226.	20901	002	F2F	High-intermediate Grammar	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F227.	ESLL_F227.	20669	001	F2F	High-intermediate Reading Skills	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F236.	ESLL_F236.	20150	001	F2F	Advanced Grammar	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F236.	ESLL_F236.	20151	002	F2F	Advanced Grammar	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F236.	ESLL_F236.	20152	003	F2F	Advanced Grammar	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F237.	ESLL_F237.	20153	003	F2F	Basic Composition Skills	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F237.	ESLL_F237.	20154	001	F2F	Basic Composition Skills	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F237.	ESLL_F237.	20155	002	F2F	Basic Composition Skills	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F249.	ESLL_F249.	20431	001	F2F	Advanced Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F249.	ESLL_F249.	20432	004	F2F	Advanced Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	ESLL	F249.	ESLL_F249.	20668	002	F2F	Advanced Reading	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1LA	Language Arts	NCCS	F406.	NCCS_F406.	20727	001	F2F	Supervised Tutoring	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1LA	Language Arts	NCEL	F411.	NCEL_F411.	20328	001	F2F	Advanced-beginning English As A Second Language I	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center

202121	1LA	Language Arts	NCEL	F411.	NCEL_F411.	20873	002	F2F	Advanced-beginning English As A Second Language I	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1LA	Language Arts	NCEL	F421.	NCEL_F421.	20329	001	F2F	Intermediate English As A Second Language I	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1LA	Language Arts	NCEL	F421.	NCEL_F421.	20330	002	F2F	Intermediate English As A Second Language I	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1LA	Language Arts	NCEL	F470.	NCEL_F470.	21223	002	F2F	Low To Intermediate Vocational Esl For Food Workers	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1LA	Language Arts	NCEL	F471.	NCEL_F471.	21224	002	F2F	Intermediate To Advanced Esl For Food Workers	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1LA	Language Arts	NCLA	F406A	NCLA_F406A	20324	050	F2F	Supplemental Instruction English: Essay & Paragraph Level Revision	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1LA	Language Arts	NCLA	F406A	NCLA_F406A	21225	014	F2F	Supplemental Instruction English: Essay & Paragraph Level Revision	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1LA	Language Arts	NCLA	F406B	NCLA_F406B	20331	001	F2F	Supplemental Instruction English: Sentence Level Editing & Proofreading In Context	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1LA	Language Arts	NCLA	F406B	NCLA_F406B	20421	002	F2F	Supplemental Instruction English: Sentence Level Editing & Proofreading In Context	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F004E	ATHL_F004E	20507	001	F2F	Intercollegiate Football (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F004E	ATHL_F004E	20622	003	F2F	Intercollegiate Football (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F004F	ATHL_F004F	20345	001	F2F	Intercollegiate Football Ii (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F004F	ATHL_F004F	20346	002	F2F	Intercollegiate Football Ii (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F011.	ATHL_F011.	20350	001	F2F	Intercollegiate Basketball I (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F021F	ATHL_F021F	20347	001	F2F	Intercollegiate Soccer Ii (men)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F022F	ATHL_F022F	20529	001	F2F	Intercollegiate Soccer Ii (women)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F031A	ATHL_F031A	21408	001	F2F	Preseason Conditioning For Softball	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F032A	ATHL_F032A	20537	001	F2F	Preseason Conditioning For Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F032C	ATHL_F032C	20735	001	F2F	Functional Fitness For Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F033F	ATHL_F033F	20348	001	F2F	Intercollegiate Water Polo Ii (women)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F042F	ATHL_F042F	20462	001	F2F	Intercollegiate Volleyball Ii (women)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F044A	ATHL_F044A	20287	001	F2F	Preseason Conditioning For Men's Tennis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F044C	ATHL_F044C	20289	001	F2F	Functional Fitness For Men's Tennis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F045A	ATHL_F045A	21309	001	F2F	Preseason Conditioning For Women's Tennis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F070R	ATHL_F070R	20363	001	F2F	Independent Study In Athletics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F070R	ATHL_F070R	20689	003	F2F	Independent Study In Athletics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	ATHL	F072R	ATHL_F072R	20364	001	F2F	Independent Study In Athletics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F002A	DANC_F002A	20294	001	F2F	Beginning Modern Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F002B	DANC_F002B	20468	001	F2F	Intermediate Modern Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F003A	DANC_F003A	20059	001	F2F	Beginning Jazz Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F003B	DANC_F003B	20470	001	F2F	Intermediate Jazz Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F004A	DANC_F004A	20697	001	F2F	Beginning Ballroom & Social Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F004B	DANC_F004B	20698	001	F2F	Intermediate Ballroom & Social Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F004C	DANC_F004C	20699	001	F2F	Advanced Ballroom & Social Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F011A	DANC_F011A	20466	001	F2F	Repertory Dance I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F012A	DANC_F012A	20500	001	F2F	Repertory Dance Ii	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F014.	DANC_F014.	20292	001	F2F	Dance Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F014.	DANC_F014.	20358	002	F2F	Dance Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F018A	DANC_F018A	20293	001	F2F	Introduction To Hip-hop Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	DANC	F018B	DANC_F018B	20349	001	F2F	Intermediate Hip-hop Dance	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	KINS	F062A	KINS_F062A	20829	001	F2F	Clinical Experiences In Sports Medicine I	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	KINS	F062B	KINS_F062B	20830	001	F2F	Clinical Experiences In Sports Medicine Ii	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	KINS	F062C	KINS_F062C	20831	001	F2F	Clinical Experiences In Sports Medicine Iii	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	KINS	F062D	KINS_F062D	20832	001	F2F	Clinical Experiences In Sports Medicine Iv	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	KINS	F062E	KINS_F062E	20833	001	F2F	Clinical Experiences In Sports Medicine V	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F010A	PHED_F010A	20382	002	F2F	Aquatics: Level I, Beginning Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F010A	PHED_F010A	20384	003	F2F	Aquatics: Level I, Beginning Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F010A	PHED_F010A	20682	005	F2F	Aquatics: Level I, Beginning Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F010B	PHED_F010B	20531	001	F2F	Aquatics: Level Ii, Intermediate Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F010B	PHED_F010B	20610	003	F2F	Aquatics: Level Ii, Intermediate Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F010B	PHED_F010B	20683	005	F2F	Aquatics: Level Ii, Intermediate Swimming	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F011A	PHED_F011A	20385	004	F2F	Water Exercise	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F011A	PHED_F011A	20730	002	F2F	Water Exercise	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F011B	PHED_F011B	20383	001	F2F	Aquatic Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F021A	PHED_F021A	21035	001	F2F	Beginning Hatha Yoga	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F021B	PHED_F021B	21036	001	F2F	Intermediate Hatha Yoga	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F022.	PHED_F022.	20521	001	F2F	Beginning Flexibility & Mobility	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F022A	PHED_F022A	20520	001	F2F	Intermediate Flexibility & Mobility	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F022B	PHED_F022B	20319	001	F2F	Pilates & Yoga	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F022B	PHED_F022B	20464	002	F2F	Pilates & Yoga	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F022B	PHED_F022B	21134	003	F2F	Pilates & Yoga	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F022C	PHED_F022C	20381	002	F2F	Core Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F023A	PHED_F023A	21037	001	F2F	Trail Hiking	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F023B	PHED_F023B	21038	001	F2F	Day Hiking	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F024.	PHED_F024.	20107	002	F2F	Introduction To Golf	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F024.	PHED_F024.	20318	001	F2F	Introduction To Golf	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F024A	PHED_F024A	20857	001	F2F	Swing Development For The Experienced Golfer	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F024A	PHED_F024A	21266	002	F2F	Swing Development For The Experienced Golfer	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F025A	PHED_F025A	20271	001	F2F	Swing Analysis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F025A	PHED_F025A	20625	002	F2F	Swing Analysis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F026.	PHED_F026.	20108	001	F2F	Beginning Tennis Skills	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F026A	PHED_F026A	20259	001	F2F	Intermediate Tennis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F027.	PHED_F027.	20656	003	F2F	Walk For Health	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F027.	PHED_F027.	21102	001	F2F	Walk For Health	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F027A	PHED_F027A	20657	003	F2F	Run For Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F027A	PHED_F027A	21103	001	F2F	Run For Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus

202121	1PE	Kinesiology and Athletics	PHED	F027B	PHED_F027B	20658	003	F2F	Intermediate Run For Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F027C	PHED_F027C	20659	001	F2F	Intermediate Walk For Health	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F027C	PHED_F027C	21104	002	F2F	Intermediate Walk For Health	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F033.	PHED_F033.	21120	001	F2F	Beginning Table Tennis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F033A	PHED_F033A	21121	001	F2F	Intermediate Table Tennis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F033B	PHED_F033B	21122	001	F2F	Advanced Table Tennis	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036A	PHED_F036A	20284	001	F2F	Beginning Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036A	PHED_F036A	20285	002	F2F	Beginning Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036A	PHED_F036A	20359	003	F2F	Beginning Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036A	PHED_F036A	21390	004	F2F	Beginning Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036B	PHED_F036B	20286	002	F2F	Intermediate Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036B	PHED_F036B	20360	003	F2F	Intermediate Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036B	PHED_F036B	21307	001	F2F	Intermediate Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036B	PHED_F036B	21391	004	F2F	Intermediate Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036C	PHED_F036C	20523	002	F2F	Advanced Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036C	PHED_F036C	20524	003	F2F	Advanced Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036C	PHED_F036C	21308	001	F2F	Advanced Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F036C	PHED_F036C	21392	004	F2F	Advanced Archery	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F037.	PHED_F037.	20948	001	F2F	Beginning Badminton: Singles & Doubles	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F037.	PHED_F037.	21125	002	F2F	Beginning Badminton: Singles & Doubles	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F037A	PHED_F037A	20949	001	F2F	Intermediate Badminton: Singles & Doubles	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F037A	PHED_F037A	21126	002	F2F	Intermediate Badminton: Singles & Doubles	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F037B	PHED_F037B	20950	001	F2F	Advanced Badminton: Singles & Doubles	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F037B	PHED_F037B	21127	002	F2F	Advanced Badminton: Singles & Doubles	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F038A	PHED_F038A	20847	001	F2F	Basketball Fundamentals	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F038B	PHED_F038B	20304	001	F2F	Basketball Game Skills	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F038C	PHED_F038C	20734	001	F2F	Beginning Basketball	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F041.	PHED_F041.	20731	001	F2F	Indoor Cycling: Spin	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F041.	PHED_F041.	20834	003	F2F	Indoor Cycling: Spin	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F041.	PHED_F041.	21039	002	F2F	Indoor Cycling: Spin	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F041A	PHED_F041A	20221	004	F2F	Indoor Cycling: Hills & Sprints	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F041A	PHED_F041A	20389	003	F2F	Indoor Cycling: Hills & Sprints	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F041A	PHED_F041A	21040	002	F2F	Indoor Cycling: Hills & Sprints	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F045A	PHED_F045A	21100	001	F2F	Foundations Of Strength & Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F045A	PHED_F045A	21109	002	F2F	Foundations Of Strength & Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F045A	PHED_F045A	21118	003	F2F	Foundations Of Strength & Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F045C	PHED_F045C	21114	001	F2F	Circuit Training	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046.	PHED_F046.	20276	004	F2F	Weight Lifting For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046.	PHED_F046.	20430	001	F2F	Weight Lifting For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046.	PHED_F046.	20508	002	F2F	Weight Lifting For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046.	PHED_F046.	21098	003	F2F	Weight Lifting For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046.	PHED_F046.	21107	005	F2F	Weight Lifting For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046.	PHED_F046.	21116	006	F2F	Weight Lifting For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046A	PHED_F046A	20732	003	F2F	Intermediate Weight Training For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046A	PHED_F046A	21099	001	F2F	Intermediate Weight Training For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046A	PHED_F046A	21108	002	F2F	Intermediate Weight Training For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046A	PHED_F046A	21117	004	F2F	Intermediate Weight Training For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F046B	PHED_F046B	20733	001	F2F	Advanced Weight Lifting For Health & Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047B	PHED_F047B	20109	004	F2F	Thighs, Abs & Gluteus (tag)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047B	PHED_F047B	20201	003	F2F	Thighs, Abs & Gluteus (tag)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047B	PHED_F047B	20290	002	F2F	Thighs, Abs & Gluteus (tag)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047B	PHED_F047B	20522	006	F2F	Thighs, Abs & Gluteus (tag)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047B	PHED_F047B	21113	001	F2F	Thighs, Abs & Gluteus (tag)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047C	PHED_F047C	20288	002	F2F	High-intensity Interval Training (hiit)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047C	PHED_F047C	20626	004	F2F	High-intensity Interval Training (hiit)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F047C	PHED_F047C	20660	005	F2F	High-intensity Interval Training (hiit)	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PE	Kinesiology and Athletics	PHED	F049B	PHED_F049B	20291	001	F2F	Boot Camp Training	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F010B	ASTR_F010B	20016	001	F2F	General Astronomy: Stars, Galaxies, Cosmology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F010B	ASTR_F010B	20017	002	F2F	General Astronomy: Stars, Galaxies, Cosmology	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F010L	ASTR_F010L	20477	002	F2F	Astronomy Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F010L	ASTR_F010L	20598	003	F2F	Astronomy Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F070R	ASTR_F070R	20584	001	F2F	Independent Study In Astronomy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F071R	ASTR_F071R	20585	001	F2F	Independent Study In Astronomy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F072R	ASTR_F072R	20586	001	F2F	Independent Study In Astronomy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ASTR	F073R	ASTR_F073R	20587	001	F2F	Independent Study In Astronomy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001A	CHEM_F001A	20033	001	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001A	CHEM_F001A	20034	002	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001A	CHEM_F001A	20035	003	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001A	CHEM_F001A	20036	004	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001A	CHEM_F001A	20736	007	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001B	CHEM_F001B	20037	001	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001B	CHEM_F001B	20038	002	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001B	CHEM_F001B	20039	003	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001B	CHEM_F001B	20344	004	F2F	General Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001C	CHEM_F001C	20040	001	F2F	General Chemistry & Qualitative Analysis	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F001C	CHEM_F001C	21025	002	F2F	General Chemistry & Qualitative Analysis	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus

202121	1PS	Physical Scienc, Math & Engin	CHEM	F012A	CHEM_F012A	20041	001	F2F	Organic Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F012A	CHEM_F012A	20172	002	F2F	Organic Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	20042	001	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	20043	004	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	20173	002	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	20174	003	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	20213	005	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	20471	006	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F025.	CHEM_F025.	21254	07D	F2F	Fundamentals Of Chemistry	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F12AL	CHEM_F12AL	20661	001	F2F	Organic Chemistry Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F12AL	CHEM_F12AL	20662	002	F2F	Organic Chemistry Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F12AL	CHEM_F12AL	20740	003	F2F	Organic Chemistry Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	CHEM	F12AL	CHEM_F12AL	21149	005	F2F	Organic Chemistry Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ENGR	F037L	ENGR_F037L	21144	001	F2F	Circuit Analysis Laboratory	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ENGR	F070R	ENGR_F070R	20496	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ENGR	F071R	ENGR_F071R	20493	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ENGR	F072R	ENGR_F072R	20494	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	ENGR	F073R	ENGR_F073R	20495	001	F2F	Independent Study In Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	20090	002	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	20177	003	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	20774	001	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	20959	004	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	20960	06D	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	21136	07D	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001C	MATH_F001C	21137	08D	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001D	MATH_F001D	20178	002	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F001D	MATH_F001D	20194	001	F2F	Calculus	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F002A	MATH_F002A	20258	001	F2F	Differential Equations	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F002A	MATH_F002A	20472	002	F2F	Differential Equations	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F002B	MATH_F002B	20353	001	F2F	Linear Algebra	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F002B	MATH_F002B	21135	002	F2F	Linear Algebra	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F01AH	MATH_F01AH	20947	01H	F2F	Honors Calculus I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F022.	MATH_F022.	20798	001	F2F	Discrete Mathematics	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F022.	MATH_F022.	20799	002	F2F	Discrete Mathematics	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F070R	MATH_F070R	20488	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F071R	MATH_F071R	20489	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F072R	MATH_F072R	20490	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F073R	MATH_F073R	20491	001	F2F	Independent Study In Mathematics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F217.	MATH_F217.	20815	002	F2F	Integrated Statistics I	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F248A	MATH_F248A	20848	007	F2F	Just-in-time Support For Math 48a	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F248A	MATH_F248A	20849	008	F2F	Just-in-time Support For Math 48a	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F248A	MATH_F248A	20850	010	F2F	Just-in-time Support For Math 48a	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	MATH	F248A	MATH_F248A	20851	011	F2F	Just-in-time Support For Math 48a	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	20906	050	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21004	1MP	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21006	2MP	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21422	004	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21423	005	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21424	006	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21425	007	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21426	008	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21427	009	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21428	010	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21429	011	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21430	012	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21431	013	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21432	014	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21433	015	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21434	018	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21435	020	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21575	036	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21576	030	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	NCBS	F405.	NCBS_F405.	21611	019	F2F	Supplemental Instruction: Physical Science, Math & Engineering	Closed-Limit Exceeded	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	20118	001	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	20119	003	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	20180	004	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	20368	002	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	20502	005	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004A	PHYS_F004A	20887	006	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004B	PHYS_F004B	20120	001	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F004B	PHYS_F004B	20181	002	F2F	General Physics (calculus)	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F070R	PHYS_F070R	20492	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F071R	PHYS_F071R	20497	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F072R	PHYS_F072R	20498	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1PS	Physical Scienc, Math & Engin	PHYS	F073R	PHYS_F073R	20499	001	F2F	Independent Study In Physics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F400A	ALCB_F400A	21361	001	F2F	Lip-reading: Simple Consonant Sounds	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus

202121	1SR	Student Resourc & Support Prog	ALCB	F400A	ALCB_F400A	21363	002	F2F	Lip-reading: Simple Consonant Sounds	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F400D	ALCB_F400D	21364	001	F2F	Speechreading Challenge	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F400E	ALCB_F400E	21362	001	F2F	Literary Lip-reading	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F407Y	ALCB_F407Y	20262	002	F2F	Social Change	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F408Y	ALCB_F408Y	20707	009	F2F	Art Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F408Y	ALCB_F408Y	20708	010	F2F	Art Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F408Y	ALCB_F408Y	20868	002	F2F	Art Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F408Y	ALCB_F408Y	21360	001	F2F	Art Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	20428	001	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	20621	006	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	20866	005	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	20890	009	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	21369	003	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F409Y	ALCB_F409Y	21601	004	F2F	Music Appreciation	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	20272	002	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	20273	003	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	20323	007	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	20712	010	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	20867	001	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	20900	009	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	21358	004	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	21365	005	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	21370	006	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	21371	008	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F413Y	ALCB_F413Y	21372	011	F2F	Relaxation Techniques	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	20274	001	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	20275	004	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	20613	009	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	20615	010	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	20623	013	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	20709	003	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F414Y	ALCB_F414Y	21349	002	F2F	Stress Management	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	20343	001	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	20503	002	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	20715	003	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	20869	004	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	20894	006	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	21357	007	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	21368	008	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F421Y	ALCB_F421Y	21389	009	F2F	Around The World In Travel Study	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	20263	001	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	20264	002	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	20265	003	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	20506	005	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	21356	006	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F431Y	ALCB_F431Y	21367	008	F2F	Analysis Of Current Events	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F451Y	ALCB_F451Y	20714	003	F2F	Drawing & Painting	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F451Y	ALCB_F451Y	20895	004	F2F	Drawing & Painting	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F451Y	ALCB_F451Y	21399	001	F2F	Drawing & Painting	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	20616	003	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	20620	004	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	20870	007	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FC	Foothill Sunnyvale Center
202121	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	20871	008	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F456Y	ALCB_F456Y	21375	002	F2F	Crafts	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F462Y	ALCB_F462Y	20504	009	F2F	Verbal Expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F462Y	ALCB_F462Y	20505	006	F2F	Verbal Expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F462Y	ALCB_F462Y	20611	012	F2F	Verbal Expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F462Y	ALCB_F462Y	20612	013	F2F	Verbal Expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F462Y	ALCB_F462Y	20710	008	F2F	Verbal Expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F463Y	ALCB_F463Y	20602	002	F2F	Creative Writing	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F463Y	ALCB_F463Y	20711	004	F2F	Creative Writing	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F463Y	ALCB_F463Y	21366	001	F2F	Creative Writing	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	20322	003	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	20614	009	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	20704	004	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	20713	006	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	21348	001	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	21373	007	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	21374	008	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F465Y	ALCB_F465Y	21376	010	F2F	Creative Self-expression	Open-Students May Register	4	Laboratory/Studio/Activity	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALCB	F467.	ALCB_F467.	21359	001	F2F	Healthy Living	Open-Students May Register	2	Lecture and/or Discussion	FO	Foothill, Off Campus
202121	1SR	Student Resourc & Support Prog	ALTW	F201.	ALTW_F201.	20469	001	F2F	Basic English For Students With Learning Differences	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALTW	F204.	ALTW_F204.	20467	001	F2F	Communication Skills In The Workplace	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALTW	F217.	ALTW_F217.	20685	001	F2F	Intermediate Computer Applications For Students With Learning Differences	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALTW	F218.	ALTW_F218.	21354	001	F2F	Current Events For Students With Learning Differences	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	ALTW	F230.	ALTW_F230.	20872	001	F2F	Introduction To Vocational Micro-business	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus

202121	1SR	Student Resourc & Support Prog	PHDA	F015A	PHDA_F015A	21022	001	F2F	Modified Total Fitness	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	PHDA	F016.	PHDA_F016.	21106	001	F2F	Modified General Conditioning	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	PHDA	F017.	PHDA_F017.	21101	001	F2F	Modified Resistive Exercise	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	PHDA	F017.	PHDA_F017.	21115	002	F2F	Modified Resistive Exercise	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	PHDA	F017.	PHDA_F017.	21119	003	F2F	Modified Resistive Exercise	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	PHDA	F018.	PHDA_F018.	21112	001	F2F	Individualized Exercise For Special Populations	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SR	Student Resourc & Support Prog	PHDA	F023.	PHDA_F023.	21105	001	F2F	Modified Aerobic Exercise	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ACTG	F070R	ACTG_F070R	20393	001	F2F	Independent Study In Accounting	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ACTG	F071R	ACTG_F071R	20579	001	F2F	Independent Study In Accounting	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ACTG	F072R	ACTG_F072R	20580	001	F2F	Independent Study In Accounting	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ACTG	F073R	ACTG_F073R	20581	001	F2F	Independent Study In Accounting	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ANTH	F01HL	ANTH_F01HL	20438	01H	F2F	Honors Physical Anthropology Laboratory	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ANTH	F070R	ANTH_F070R	20394	001	F2F	Independent Study In Anthropology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ANTH	F071R	ANTH_F071R	20395	001	F2F	Independent Study In Anthropology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ANTH	F072R	ANTH_F072R	20582	001	F2F	Independent Study In Anthropology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ANTH	F073R	ANTH_F073R	20583	001	F2F	Independent Study In Anthropology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	BUSI	F070R	BUSI_F070R	20396	001	F2F	Independent Study In Business	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	BUSI	F071R	BUSI_F071R	20397	001	F2F	Independent Study In Business	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	BUSI	F072R	BUSI_F072R	20398	001	F2F	Independent Study In Business	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	BUSI	F073R	BUSI_F073R	20399	001	F2F	Independent Study In Business	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	CHLD	F086B	CHLD_F086B	20597	001	F2F	Practicum Student Teaching In An Early Childhood Program	Open-Students May Register	2	Lecture and/or Discussion	FC	Foothill Sunnyvale Center
202121	1SS	Business & Social Sciences	ECON	F009H	ECON_F009H	20854	01H	F2F	Honors Political Economy	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ECON	F070R	ECON_F070R	20400	001	F2F	Independent Study In Economics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ECON	F071R	ECON_F071R	20401	001	F2F	Independent Study In Economics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ECON	F072R	ECON_F072R	20402	001	F2F	Independent Study In Economics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ECON	F073R	ECON_F073R	20403	001	F2F	Independent Study In Economics	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	GEOG	F070R	GEOG_F070R	20404	001	F2F	Independent Study In Geography	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	GEOG	F071R	GEOG_F071R	20405	001	F2F	Independent Study In Geography	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	GEOG	F072R	GEOG_F072R	20406	001	F2F	Independent Study In Geography	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	GEOG	F073R	GEOG_F073R	20407	001	F2F	Independent Study In Geography	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F050.	ITRN_F050.	20882	004	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F050.	ITRN_F050.	20969	001	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F051.	ITRN_F051.	20884	003	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F051.	ITRN_F051.	20970	001	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F052.	ITRN_F052.	20888	002	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F052.	ITRN_F052.	20971	001	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F053.	ITRN_F053.	20885	002	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F053.	ITRN_F053.	21381	003	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	ITRN	F054.	ITRN_F054.	20886	002	F2F	Internship	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PHIL	F070R	PHIL_F070R	20408	001	F2F	Independent Study In Philosophy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PHIL	F071R	PHIL_F071R	20409	001	F2F	Independent Study In Philosophy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PHIL	F072R	PHIL_F072R	20410	001	F2F	Independent Study In Philosophy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PHIL	F073R	PHIL_F073R	20411	001	F2F	Independent Study In Philosophy	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	POLI	F009H	POLI_F009H	20853	02H	F2F	Honors Political Economy	Open-Students May Register	2	Lecture and/or Discussion	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PSYC	F070R	PSYC_F070R	20412	001	F2F	Independent Study In Psychology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PSYC	F071R	PSYC_F071R	20413	001	F2F	Independent Study In Psychology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PSYC	F072R	PSYC_F072R	20414	001	F2F	Independent Study In Psychology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	PSYC	F073R	PSYC_F073R	20415	001	F2F	Independent Study In Psychology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	SOC	F070R	SOC_F070R	20416	001	F2F	Independent Study In Sociology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	SOC	F071R	SOC_F071R	20561	001	F2F	Independent Study In Sociology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	SOC	F072R	SOC_F072R	20562	001	F2F	Independent Study In Sociology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus
202121	1SS	Business & Social Sciences	SOC	F073R	SOC_F073R	20563	001	F2F	Independent Study In Sociology	Open-Students May Register	4	Laboratory/Studio/Activity	FH	Foothill, Main Campus

Foothill College Curriculum Committee

Resolution S20-01 – Support for Extending Blanket Distance Education Addendum

Whereas, the health and safety of Foothill College students, faculty, and staff is of primary importance;

Whereas, moving to remote modalities for on-campus courses is consistent with the advice of the California Colleges Chancellor's Office and the County of Santa Clara Department of Public Health;

Whereas, the California Colleges Chancellor's Office has requested that colleges submit an Emergency Blanket Distance Education Addendum to satisfy the requirements included in Title 5, section 55206;

Whereas, the college has pledged to work with faculty to find reasonable alternatives for course content that must be delivered in person (e.g. physical education courses, clinical course hours, lab courses);

Resolved, that the Foothill College Curriculum Committee support the submission of an Emergency Blanket Distance Education Addendum to the California Community College Chancellor's Office that will apply to all on-campus courses for the Summer 2020 term, with the understanding that the college will rely on faculty to determine the most appropriate delivery method.

Contact: Eric Kuehnl, Faculty Co-Chair, Foothill College Curriculum Committee

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