

**DE ANZA COLLEGE
CURRICULUM COMMITTEE MINUTES**

Tuesday, March 17, 2026

2:30pm - 4:00pm

Location: Staff Development Lab – MLC 243

This meeting was held in a hybrid modality, meaning anyone can participate in-person or online.

PRESENT:

Joshua McCluskey (BH)
Julie Hughes (CA)
Sandra Li (CB)
Hua-Fu Liu (IC)
Joe D’Agostino (PE)
Vinh Nguyen (PS)

Betty Inoue (ST)
Christa Steiner (Articulation Officer)
Zack Judson
(Faculty Vice Chair – nv,
Content Review Liaison)
Jayanti Roy (CPL Coordinator)
Sarah Wilker (DEI Coordinator)

Thomas Ray (Division Dean Rep.)
Derrick Felton (FA Rep.)
Sukhjot Singh (Faculty Co-Chair, tie-
vote)
Mi Chang (Curriculum Secretary - nv)
Ashley Egbert
(Curriculum Secretary - nv)

ABSENT:

Mike Appio (AT), Danielle Vlahos (SS), Cathy Phongsamran (DS), Mary Clark-Tillman (Curriculum Coordinator - nv)

GUESTS:

Katelyn Endow (LA, LR) (attended via Zoom), Chris Deming (LA, LR) (attended via Zoom), Sam Bliss (LA, LR) (attended via Zoom),

1. **Approval of today’s agenda** – **APPROVED** – (M/S/C—Hughes/D’Agostino) – as presented.

2. **APPROVAL OF MINUTES:**

a. February 24, 2026, Minutes – **APPROVED** – (M/S/C—Hughes/Nguyen) – as presented.

3. **CONSENT CALENDAR** – **APPROVED** – (M/S/C—Hughes/Li) – as presented.

a. **APPROVED, effective Fall 2026:**

To: Curriculum Committee
From: Eric Mendoza
Date: 1/13/2026
Re: Delete Manual Therapy Certificate of Achievement, effective fall 2026

Please proceed with deleting the manual therapy certificate (we never got this program started).

- signed by Eric Mendoza

b. **APPROVED, effective Fall 2026:**

To: Curriculum Committee
Date: 1/7/26
RE: Program Department and Header Changes, effective Fall 2026

Header will be named: Social Justice, Leadership and Engagement to place

Approved 4/14/2026 as presented
the following programs, effective fall 2026:

- Social Justice Studies: General Studies for Transfer
- Leadership and Social Change
- Community Impact

Additionally, the following department and division changes:

- Social Justice Studies: General Studies for Transfer degree will move to the CETH department and therefore the IC division
- Leadership and Social Change certificate will move to the CETH department and therefore the IC division
- Community Impact certificate will move to the POLI department and therefore the SS division

- signed by Cynthia Kaufman
- signed by Elvin Ramos
- signed by Debbie Lee
- signed by Michelle Hernandez

c. **APPROVED, effective Fall 2026:**

To: Curriculum Committee

Date: March 9, 2026

Re: Spanish Course Equivalencies between De Anza and Foothill
Effective fall 2026

The following courses are equivalent:

DA Spanish 1 and FH Spanish 1
DA Spanish 2 and FH Spanish 2
DA Spanish 3 and FH Spanish 3
DA Spanish 4 and FH Spanish 4
DA Spanish 5 and FH Spanish 5
DA Spanish 6 and FH Spanish 6

Please document these equivalencies in the curriculum systems DA uses and in Banner so that students from both DA and FH can enroll in subsequent Spanish classes based on the classes in progress at either college.

The Dean of IIS at DA, Debbie Lee, has confirmed that these courses are equivalent with the Dean of LA at FH, Valerie Fong, and FH's Spanish department faculty member, Patricia Crespo-Martin.

- signed by Vivana Alcazar
- signed by Debbie Lee

d. **APPROVED, effective Fall 2026:**

March 10, 2026

To: Curriculum Committee

Cc: Clare Nguyen, CIS Faculty
Mary Pape, CIS Department Chair
Manisha Karia, Dean of Automotive Technology and Computer Business

Approved 4/14/2026 as presented

Re: Program Status Change for CIS 82Y for effective fall 2026

The program status of CIS 82Y has been changed from stand-alone to program applicable. The status has changed due to processing the Applied Artificial Intelligence COA-A and AA programs, which are effective in fall 2026.

The following other CIS 82 series courses will remain non-program-applicable:

- CIS 82W
- CIS 82X
- CIS 82Z

Regards,

Mary K. Clark-Tillman

e. **APPROVED, effective Fall 2027:**

To: Curriculum Committee

Date: March 3, 2026

Re: Extension Request for CETH 11

Effective fall 2027

I am requesting an extension until fall 2028 for CETH 11 - Race & Ethnicity: Belonging and Exclusion in the US. I will be making major revisions to the course next year and potentially creating a new course that distinguishes CETH 11 from CETH 10 - Introduction to Ethnic studies. I will be making revisions to the course with a focus on race and social movements. CETH 11 currently closely resembles the similar content as CETH 10 - Introduction to Ethnic studies. Changes to CETH 11 will require major revisions to change the course's contents.

- signed by Nathaniel Tan

- signed by Debbie Lee

f. **APPROVED, effective Fall 2027:**

To: Curriculum Committee

Date: March 3, 2026

Re: Extension Request for CETH 13/ARTS 2F

Effective fall 2027

I am requesting an extension until fall 2028 for revisions and changes to CETH 13/ARTS 2F - History of Multicultural Arts in the United States. I will be making major revisions to the course next year and potentially creating a new course that focuses on race and pop culture that satisfies the humanities requirement for transferring.

- signed by Nathaniel Tan

- signed by Debbie Lee

- signed by Marco Marquez

- signed by Kristen Skager

4. **ACTION CALENDAR – APPROVED** – (M/S/C—Wilker/D'Agostino) – as presented.

Approved 4/14/2026 as presented

If a course is passed by the Curriculum Committee, it is “**conditionally approved**” pending Curriculum Committee required and/or recommended changes and final submission of the course and all required forms to the curriculum office. Initiators have **ONE WEEK** from the date of the conditional approval to submit the final version.

a.	<p>APPROVED, effective Fall 2026: Accounting - Certificate of Achievement</p> <p>Revised Certificate/Degree 26 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
b.	<p>APPROVED, effective Fall 2026: Accounting - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 45 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
c.	<p>APPROVED, effective Fall 2026: Accounting - Associate in Arts</p> <p>Revised Certificate/Degree 45 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
d.	<p>APPROVED, effective Fall 2026: Administration of Justice for Transfer - Associate in Science-Transfer</p> <p>Revised Certificate/Degree 28-30 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
e.	<p>APPROVED, effective Fall 2026: AI in Business - Certificate of Completion</p> <p>New Certificate/Degree 84-96 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
f.	<p>APPROVED, effective Fall 2026: Animated Film Workshop - Certificate of Completion</p> <p>2026 Fall/2027 Winter Addendum New Certificate/Degree 216 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
g.	<p>APPROVED, effective Fall 2026: Anthropology for Transfer - Associate in Arts-Transfer</p>

	<p>Revised Certificate/Degree 29 (90) - Revised Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
h.	<p>APPROVED, effective Fall 2026: Applied Artificial Intelligence - Certificate of Completion</p> <p>New Certificate/Degree 222 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
i.	<p>APPROVED, effective Fall 2026: Applied Artificial Intelligence - Certificate of Achievement</p> <p>New Certificate/Degree 20-23 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
j.	<p>APPROVED, effective Fall 2026: Applied Artificial Intelligence - Certificate of Achievement-Adv.</p> <p>New Certificate/Degree 40.5-44 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
k.	<p>APPROVED, effective Fall 2026: Applied Artificial Intelligence - Associate in Science</p> <p>New Certificate/Degree 40.5-44 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
l.	<p>APPROVED, effective Fall 2026: Applied Mathematics - Certificate of Achievement</p> <p>New Certificate/Degree 21-23 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
m.	<p>APPROVED, effective Fall 2026: Applying AI at Work: Build Solutions with a Human Touch - Certificate of Completion</p> <p>2026 Fall/2027 Winter Addendum New Certificate/Degree 96 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>

n.	<p>APPROVED, effective Fall 2026: Art History - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 44 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
o.	<p>APPROVED, effective Fall 2026: Art History - Associate in Arts</p> <p>Revised Certificate/Degree 44 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
p.	<p>APPROVED, effective Fall 2026: Art History for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 31-33 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
q.	<p>APPROVED, effective Fall 2026: Asian American Studies - Certificate of Achievement</p> <p>Revised Certificate/Degree 20-21 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
r.	<p>APPROVED, effective Fall 2026: Automotive Chassis and Powertrain - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 56.5 - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
s.	<p>APPROVED, effective Fall 2026: Automotive Chassis and Powertrain - Associate in Science</p> <p>Revised Certificate/Degree 56.5 (90) - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
t.	<p>APPROVED, effective Fall 2026: Automotive Engine Performance - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 57 - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>

<p>u.</p>	<p>APPROVED, effective Fall 2026: Automotive Engine Performance - Associate in Science</p> <p>Revised Certificate/Degree 57 (90) - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>v.</p>	<p>APPROVED, effective Fall 2026: Automotive Machining and Engine Repair - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 42 - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>w.</p>	<p>APPROVED, effective Fall 2026: Automotive Machining and Engine Repair - Associate in Science</p> <p>Revised Certificate/Degree 42 (90) - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>x.</p>	<p>APPROVED, effective Fall 2026: Bookkeeping - Certificate of Completion</p> <p>2026 Fall/2027 Winter Addendum New Certificate/Degree 84 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>y.</p>	<p>APPROVED, effective Fall 2026: Business Administration - Certificate of Achievement</p> <p>Revised Certificate/Degree 23-25 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>z.</p>	<p>APPROVED, effective Fall 2026: Business Administration - Associate in Arts</p> <p>Revised Certificate/Degree 52-55 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>aa.</p>	<p>APPROVED, effective Fall 2026: Business Administration 2.0 for Transfer - Associate in Science-Transfer</p> <p>Revised Certificate/Degree 38 (90) – Units</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
bb.	<p>APPROVED, effective Fall 2026: Business Information Worker - Certificate of Achievement</p> <p>Delete Certificate/Degree 26.5 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
cc.	<p>APPROVED, effective Fall 2026: Cal-GETC - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 45 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
dd.	<p>APPROVED, effective Fall 2026: Child and Adolescent Development for Transfer - Associate in Arts-Transfer</p> <p>New Certificate/Degree 27-33 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ee.	<p>APPROVED, effective Fall 2026: Clinical Laboratory Assistant - Certificate of Achievement</p> <p>Revised Certificate/Degree 24 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ff.	<p>APPROVED, effective Fall 2026: Communication Studies - Certificate of Achievement</p> <p>Revised Certificate/Degree 19-20 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
gg.	<p>APPROVED, effective Fall 2026: Community Impact - Certificate of Achievement</p> <p>New Certificate/Degree 18 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
hh.	<p>APPROVED, effective Fall 2026: Corrections/Probation - Associate in Arts</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>

	<p>Revised Certificate/Degree 46-52 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ii.	<p>APPROVED, effective Fall 2026: Database Development Practitioner - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 44-44.5 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
jj.	<p>APPROVED, effective Fall 2026: Database Development Practitioner - Associate in Arts</p> <p>Revised Certificate/Degree 44-44.5 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
kk.	<p>APPROVED, effective Fall 2026: Economics for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 27-43 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ii.	<p>APPROVED, effective Fall 2026: Elementary Mathematics Education - Certificate of Achievement</p> <p>New Certificate/Degree 20 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
mm.	<p>APPROVED, effective Fall 2026: Engineering (Electrical Engineering Track) - Associate in Science</p> <p>New Certificate/Degree 64 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
nn.	<p>APPROVED, effective Fall 2026: English - Associate in Arts</p> <p>Revised Certificate/Degree 29-31 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>

oo.	<p>APPROVED, effective Fall 2026: English as a Second Language Advanced Level - Certificate of Competency</p> <p>Revised Certificate/Degree 96 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
pp.	<p>APPROVED, effective Fall 2026: English as a Second Language Low Advanced Level - Certificate of Competency</p> <p>Revised Certificate/Degree 96 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
qq.	<p>APPROVED, effective Fall 2026: English as a Second Language Oral Communication - Certificate of Competency</p> <p>New Certificate/Degree 60-84 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
rr.	<p>APPROVED, effective Fall 2026: English for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 29-35 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ss.	<p>APPROVED, effective Fall 2026: English Writing, Grammar and Proofreading - Certificate of Competency</p> <p>Revised Certificate/Degree 84 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
tt.	<p>APPROVED, effective Fall 2026: Environmental Science for Transfer - Associate in Science-Transfer</p> <p>Revised Certificate/Degree 56-71 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
uu.	<p>APPROVED, effective Fall 2026: Ethnic Studies - Certificate of Achievement</p> <p>Revised Certificate/Degree 20 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>

<p>vv.</p>	<p>APPROVED, effective Fall 2026: Film, Television, and Electronic Media for Transfer - Associate in Science-Transfer</p> <p>Revised Certificate/Degree 27-30.5 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>ww.</p>	<p>APPROVED, effective Fall 2026: Film/TV: Animation - Associate in Arts</p> <p>Revised Certificate/Degree 48-49 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>xx.</p>	<p>APPROVED, effective Fall 2026: Film/TV: Production - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 44-44.5 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>yy.</p>	<p>APPROVED, effective Fall 2026: Film/TV: Production - Associate in Arts</p> <p>Revised Certificate/Degree 44-44.5 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>zz.</p>	<p>APPROVED, effective Fall 2026: Film/TV: Screenwriting - Associate in Arts</p> <p>Revised Certificate/Degree 48 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>aaa.</p>	<p>APPROVED, effective Fall 2026: Foundations of Data Science - Certificate of Completion</p> <p>2026 Fall/2027 Winter Addendum New Certificate/Degree 288 - Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>bbb.</p>	<p>APPROVED, effective Fall 2026: Foundations of Data Science - Certificate of Achievement</p> <p>2026 Fall/2027 Winter Addendum New Certificate/Degree 20 – Units</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ccc.	<p>APPROVED, effective Fall 2026: German Language and Culture - Certificate of Achievement</p> <p>Revised Certificate/Degree 19-20 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ddd.	<p>APPROVED, effective Fall 2026: Global Studies - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 36 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
eee.	<p>APPROVED, effective Fall 2026: Global Studies - Associate in Arts</p> <p>Revised Certificate/Degree 53-68 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
fff.	<p>APPROVED, effective Fall 2026: Global Studies for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 28-34 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ggg.	<p>APPROVED, effective Fall 2026: History for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 32 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
hhh.	<p>APPROVED, effective Fall 2026: Intercultural Studies - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 40 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
iii.	<p>APPROVED, effective Fall 2026: Intercultural Studies - Associate in Arts</p> <p>Revised Certificate/Degree 44 (90) – Units</p>

	<u>Approved Curriculum Consensus Vote Items:</u> None
jjj.	<p>APPROVED, effective Fall 2026: Journalism - Associate in Arts</p> <p>Revised Certificate/Degree 27-33 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
kkk.	<p>APPROVED, effective Fall 2026: Journalism for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 28-34 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
lll.	<p>APPROVED, effective Fall 2026: Kinesiology for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 33 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
mmm.	<p>APPROVED, effective Fall 2026: Law Enforcement - Associate in Arts</p> <p>Revised Certificate/Degree 46-52 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
nnn.	<p>APPROVED, effective Fall 2026: Law, Public Policy, and Society for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 47-51 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ooo.	<p>APPROVED, effective Fall 2026: Leadership and Social Change - Certificate of Achievement</p> <p>Revised Certificate/Degree 18 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ppp.	<p>APPROVED, effective Fall 2026: Liberal Arts (Arts and Letters Emphasis) - Associate in Arts</p> <p>Revised Certificate/Degree 27 (90) – Units</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
qqq.	<p>APPROVED, effective Fall 2026: Liberal Arts (Business and Computer Information Systems Emphasis) - Associate in Arts</p> <p>Revised Certificate/Degree 27 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
rrr.	<p>APPROVED, effective Fall 2026: Liberal Arts (Science, Math and Engineering Emphasis) - Associate in Arts</p> <p>Revised Certificate/Degree 27 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
sss.	<p>APPROVED, effective Fall 2026: Liberal Arts (Social and Behavioral Sciences Emphasis) - Associate in Arts</p> <p>Revised Certificate/Degree 27 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ttt.	<p>APPROVED, effective Fall 2026: LVN Transition to RN - Associate in Science</p> <p>Revised Certificate/Degree 73 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
uuu.	<p>APPROVED, effective Fall 2026: Management - Certificate of Achievement</p> <p>Revised Certificate/Degree 25 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
vvv.	<p>APPROVED, effective Fall 2026: Management - Associate in Arts</p> <p>Revised Certificate/Degree 54 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
www.	<p>APPROVED, effective Fall 2026: Mandarin Language and Culture - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 27-34 - Revised Units</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
xxx.	<p>APPROVED, effective Fall 2026: Mandarin Language and Culture - Associate in Arts</p> <p>Revised Certificate/Degree 27-34 (90) - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
yyy.	<p>APPROVED, effective Fall 2026: Mandarin Translation and Interpretation Level Two - Certificate of Completion</p> <p>New Certificate/Degree 432 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
zzz.	<p>APPROVED, effective Fall 2026: Marketing Management - Certificate of Achievement</p> <p>Revised Certificate/Degree 24-25 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
aaaa.	<p>APPROVED, effective Fall 2026: Marketing Management - Associate in Arts</p> <p>Revised Certificate/Degree 51-54 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
bbbb.	<p>APPROVED, effective Fall 2026: Mathematics 2.0 for Transfer - Associate in Science-Transfer</p> <p>New Certificate/Degree 34.5-36 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
cccc.	<p>APPROVED, effective Fall 2026: Mathematics for Business and Social Sciences - Certificate of Achievement</p> <p>New Certificate/Degree 22.5-24.5 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
dddd.	<p>APPROVED, effective Fall 2026: Mathematics for Transfer - Associate in Science-Transfer</p>

	<p>Delete Certificate/Degree 30 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
eeee.	<p>APPROVED, effective Fall 2026: Medical Laboratory Technology - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 88-91 – Units</p>
ffff.	<p>APPROVED, effective Fall 2026: Medical Laboratory Technology - Associate in Arts</p> <p>Revised Certificate/Degree 88-91 (120-134) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
gggg.	<p>APPROVED, effective Fall 2026: Music - Associate in Arts</p> <p>Revised Certificate/Degree 46 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
hhhh.	<p>APPROVED, effective Fall 2026: Music for Transfer - Associate in Arts-Transfer</p> <p>New Certificate/Degree 42 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
iiii.	<p>APPROVED, effective Fall 2026: Network Administration - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 40.5-41 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
jjjj.	<p>APPROVED, effective Fall 2026: Network Administration - Associate in Arts</p> <p>Revised Certificate/Degree 40.5-41 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
kkkk.	<p>APPROVED, effective Fall 2026: Network Programming - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 40.5-42 – Units</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
llll.	<p>APPROVED, effective Fall 2026: Network Programming - Associate in Arts</p> <p>Revised Certificate/Degree 40.5-42 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
mmmm.	<p>APPROVED, effective Fall 2026: Nonprofit Management - Certificate of Completion</p> <p>Revised Certificate/Degree 108 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
nnnn.	<p>APPROVED, effective Fall 2026: Paralegal Studies - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 48 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
oooo.	<p>APPROVED, effective Fall 2026: Paralegal Studies - Associate in Arts</p> <p>Revised Certificate/Degree 48 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
pppp.	<p>APPROVED, effective Fall 2026: Political Science for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 29-30 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
qqqq.	<p>APPROVED, effective Fall 2026: Private Security - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 37 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
rrrr.	<p>APPROVED, effective Fall 2026: Private Security - Associate in Arts</p> <p>Revised Certificate/Degree 38 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>

<p>ssss.</p>	<p>APPROVED, effective Fall 2026: Product Management - Certificate of Completion</p> <p>2026 Fall/2027 Winter Addendum New Certificate/Degree 264-276 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>tttt.</p>	<p>APPROVED, effective Fall 2026: Professional Photography - Certificate of Completion</p> <p>2026 Fall/2027 Winter Addendum New Certificate/Degree 252 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>uuuu.</p>	<p>APPROVED, effective Fall 2026: Programming in Python - Certificate of Achievement</p> <p>Revised Certificate/Degree 18-20 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>vvvv.</p>	<p>APPROVED, effective Fall 2026: Psychology for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 30-35 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>wwww.</p>	<p>APPROVED, effective Fall 2026: Public Relations - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 38-42 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>xxxx.</p>	<p>APPROVED, effective Fall 2026: Pure Mathematics - Certificate of Achievement</p> <p>New Certificate/Degree 21-23 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
<p>yyyy.</p>	<p>APPROVED, effective Fall 2026: Real Estate - Certificate of Achievement</p> <p>Revised Certificate/Degree 23-25 - Revised Units</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
zzzz.	<p>APPROVED, effective Fall 2026: Real Estate Salesperson - Certificate of Completion</p> <p>Revised Certificate/Degree 132-144 - Revised Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
aaaaa.	<p>APPROVED, effective Fall 2026: Registered Nurse (RN) - Associate in Science</p> <p>Revised Certificate/Degree 104 (119-121) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
bbbbbb.	<p>APPROVED, effective Fall 2026: Social Justice Studies: General Studies for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 28-29 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ccccc.	<p>APPROVED, effective Fall 2026: Sociology for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 28-29 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
dddddd.	<p>APPROVED, effective Fall 2026: Statistics - Certificate of Achievement</p> <p>New Certificate/Degree 22.5-24.5 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
eeeeee.	<p>APPROVED, effective Fall 2026: Studio Arts for Transfer - Associate in Arts-Transfer</p> <p>Revised Certificate/Degree 39-40 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
fffff.	<p>APPROVED, effective Fall 2026: Systems Programming - Certificate of Achievement-Adv.</p>

	<p>Revised Certificate/Degree 40.5-41.5 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
ggggg.	<p>APPROVED, effective Fall 2026: Systems Programming - Associate in Arts</p> <p>Revised Certificate/Degree 40.5-41.5 (90) – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
hhhhh.	<p>APPROVED, effective Fall 2026: UNIX/LINUX Operating System - Certificate of Achievement</p> <p>Revised Certificate/Degree 18 - Revised Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
iiii.	<p>APPROVED, effective Fall 2026: World Languages and Culture - Certificate of Achievement-Adv.</p> <p>Revised Certificate/Degree 32-35 – Units</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
jjjj.	<p>APPROVED, effective Fall 2026: Writing and Reading Skills for Career and College Success - Certificate of Competency</p> <p>New Certificate/Degree 48 – Hours</p> <p><u>Approved Curriculum Consensus Vote Items:</u> None</p>
kkkkk.	<p>APPROVED, effective Fall 2026: ACCT 301A - 2026 Fall/2027 Winter Addendum Initiator: Sandra Li Title: Financial Accounting I Unit(s): 0 Lec Hour(s): 5 Repeat: Unlimited</p> <p>New Course Stand-Alone Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
llll.	<p>APPROVED, effective Fall 2026: ACCT 387I - 2026 Fall/2027 Winter Addendum Initiator: Sandra Li Title: Computerized Accounting Programs I (Quickbooks) Unit(s): 0 Lec Hour(s): 2</p>

	<p>Repeat: Unlimited</p> <p>New Course Program Applicable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
mmmmm.	<p>APPROVED, effective Fall 2026: ACCT 388 - 2026 Fall/2027 Winter Addendum Initiator: Sandra Li Title: Excel Spreadsheets for Accounting Unit(s): 0 Lec Hour(s): 2 Repeat: Unlimited</p> <p>New Course Program Applicable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
nnnnn.	<p>APPROVED, effective Fall 2026: ACCT 305 - 2026 Fall/2027 Winter Addendum Initiator: Sandra Li Title: Basic Financial Accounting Procedures Unit(s): 0 Lec Hour(s): 1 Repeat: Unlimited</p> <p>New Course Program Applicable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
ooooo.	<p>APPROVED, effective Fall 2026: BUS 372 - 2026 Fall/2027 Winter Addendum Initiator: Michele Fritz Title: Product Management Unit(s): 0 Lec Hour(s): 5 Repeat: 99</p> <p>New Course Program Applicable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
ppppp.	<p>APPROVED, effective Fall 2026: BUS 390 - 2026 Fall/2027 Winter Addendum Initiator: Michele Fritz Title: Principles of Marketing Unit(s): 0 Lec Hour(s): 5 Repeat: 99</p>

	<p>New Course Program Applicable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
qqqqq.	<p>APPROVED, effective Fall 2026: CIS 395G - 2026 Fall/2027 Winter Addendum Initiator: Sukhjot Singh Title: Agile Project Management - A Practicum Unit(s): 0 Lec Hour(s): 4 Repeat: 99</p> <p>New Course Program Applicable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
rrrrr.	<p>APPROVED, effective Fall 2026: CIS 395H - 2026 Fall/2027 Winter Addendum Initiator: Sukhjot Singh Title: Business and Requirement Analysis Unit(s): 0 Lec Hour(s): 4 Repeat: 99</p> <p>New Course Program Applicable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
sssss.	<p>APPROVED, effective Fall 2026: CIS 501 - 2026 Fall/2027 Winter Addendum Initiator: Clare Nguyen Title: Reframing Problems with AI Unit(s): 0 Lec Hour(s): 4 Lab Hour(s): 0 Repeat: Unlimited</p> <p>New Course Program Applicable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
ttttt.	<p>APPROVED, effective Fall 2026: CIS 502 - 2026 Fall/2027 Winter Addendum Initiator: Clare Nguyen Title: Designing Solutions with AI Unit(s): 0 Lec Hour(s): 4 Lab Hour(s): 0 Repeat: Unlimited</p>

	<p>New Course Program Applicable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
uuuuu.	<p>APPROVED, effective Fall 2026: CTE 64 - 2026 Fall/2027 Winter Addendum Initiator: Trisha Tran Title: Work Experience Education Internship Unit(s): 1 Lab Hour(s): 3</p> <p>New Course Stand-Alone CSU Transferable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
vvvvv.	<p>APPROVED, effective Fall 2026: DMT 355 - 2026 Fall/2027 Winter Addendum Initiator: Mike Appio Title: Survey of Design and Manufacturing Processes/Modern Fabrication Unit(s): 0 Lec Hour(s): 4 Repeat: 99</p> <p>New Course Program Applicable</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
wwwww.	<p>APPROVED, effective Fall 2026: F/TV 372G - 2026 Fall/2027 Winter Addendum Initiator: Mark Hamer Title: Animated Film Pre-Production Workshop Unit(s): 0 Lec Hour(s): 3 Lab Hour(s): 3 Repeat: Unlimited</p> <p>New Course Program Applicable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
xxxxx.	<p>APPROVED, effective Fall 2026: F/TV 372H - 2026 Fall/2027 Winter Addendum Initiator: Mark Hamer Title: Animated Film Production Workshop Unit(s): 0 Lec Hour(s): 3 Lab Hour(s): 3 Repeat: Unlimited</p> <p>New Course Program Applicable</p>

	<p>Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
yyyyy.	<p>APPROVED, effective Fall 2026: F/TV 372J - 2026 Fall/2027 Winter Addendum Initiator: Mark Hamer Title: Animated Film Post-Production Workshop Unit(s): 0 Lec Hour(s): 3 Lab Hour(s): 3 Repeat: Unlimited</p> <p>New Course Program Applicable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
zzzzz.	<p>APPROVED, effective Fall 2026: MAND 401 - 2026 Fall/2027 Winter Addendum Initiator: Hua-fu Liu Title: Elementary Mandarin (First Quarter) Unit(s): 0 Lec Hour(s): 5 Lab Hour(s): 0 Repeat: Unlimited</p> <p>New Course Stand-Alone Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
aaaaa.	<p>APPROVED, effective Fall 2026: MAND 402 - 2026 Fall/2027 Winter Addendum Initiator: Hua-fu Liu Title: Elementary Mandarin (Second Quarter) Unit(s): 0 Lec Hour(s): 5 Lab Hour(s): 0 Repeat: Unlimited</p> <p>New Course Stand-Alone Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
bbbbb.	<p>APPROVED, effective Fall 2026: MAND 403 - 2026 Fall/2027 Winter Addendum Initiator: Hua-fu Liu Title: Elementary Mandarin (Third Quarter) Unit(s): 0 Lec Hour(s): 5 Lab Hour(s): 0 Repeat: Unlimited</p> <p>New Course Stand-Alone Online & Hybrid</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
cccccc.	<p>APPROVED, effective Fall 2026: MAND 404 - 2026 Fall/2027 Winter Addendum Initiator: Hua-fu Liu Title: Intermediate Mandarin (First Quarter) Unit(s): 0 Lec Hour(s): 5 Lab Hour(s): 0 Repeat: Unlimited</p> <p>New Course Stand-Alone Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
dddddd.	<p>APPROVED, effective Fall 2026: MAND 405 - 2026 Fall/2027 Winter Addendum Initiator: Hua-fu Liu Title: Intermediate Mandarin (Second Quarter) Unit(s): 0 Lec Hour(s): 5 Lab Hour(s): 0 Repeat: Unlimited</p> <p>New Course Stand-Alone Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
eeeeee.	<p>APPROVED, effective Fall 2026: MAND 406 - 2026 Fall/2027 Winter Addendum Initiator: Hua-fu Liu Title: Intermediate Mandarin (Third Quarter) Unit(s): 0 Lec Hour(s): 5 Lab Hour(s): 0 Repeat: Unlimited</p> <p>New Course Stand-Alone Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
ffffff.	<p>APPROVED, effective Fall 2027: ACCT 87AI Initiator: Catherina Wong Title: Computerized Accounting Programs I (Quickbooks) Unit(s): 2 Lec Hour(s): 2</p> <p>5-Year Review Program Applicable CSU Transferable Online</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
gggggg.	<p>APPROVED, effective Fall 2027: BUS 72 Initiator: Michele Fritz Title: Product Management Unit(s): 5 Lec Hour(s): 5 Lab Hour(s): 0</p> <p>New Course Program Applicable CSU Transferable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
hhhhhh.	<p>APPROVED, effective Fall 2027: CIS 95G Initiator: Sukhjrit Singh Title: Agile Project Management - A Practicum Unit(s): 4 Lec Hour(s): 4</p> <p>5-Year Review Program Applicable CSU Transferable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
iiiiii.	<p>APPROVED, effective Fall 2027: CIS 95H Initiator: Sukhjrit Singh Title: Business and Requirement Analysis Unit(s): 4 Lec Hour(s): 4</p> <p>5-Year Review Program Applicable CSU Transferable Online & Hybrid</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
jjjjjj.	<p>APPROVED, effective Fall 2027: CIS 95K Initiator: Sukhjrit Singh Title: Program Management - A Practicum Unit(s): 4 Lec Hour(s): 4</p> <p>5-Year Review Program Applicable CSU Transferable Online & Hybrid</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
<p>kkkkkk.</p>	<p>APPROVED, effective Fall 2027: ENGR 10 Initiator: Saied Rafati Title: Introduction to Engineering Unit(s): 4.5 Lec Hour(s): 3 Lab Hour(s): 5</p> <p>5-Year Review Program Applicable CSU Transferable & UC Transferable C-ID</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
<p>llllll.</p>	<p>APPROVED, effective Fall 2027: ENGR 35 Initiator: Saied Rafati Title: Statics Unit(s): 4 Lec Hour(s): 3 Lab Hour(s): 3</p> <p>5-Year Review Program Applicable CSU Transferable & UC Transferable C-ID</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
<p>mmmmmm.</p>	<p>APPROVED, effective Fall 2027: ENGR 37 Initiator: Saied Rafati Title: Introduction to Circuit Analysis Unit(s): 5 Lec Hour(s): 5</p> <p>5-Year Review Program Applicable CSU Transferable & UC Transferable C-ID</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
<p>nnnnnn.</p>	<p>APPROVED, effective Fall 2027: F/TV 29 Initiator: Milena Grozeva Title: Lighting for Film and Television Unit(s): 4 Lec Hour(s): 3.5 Lab Hour(s): 1.5</p> <p>5-Year Review Program Applicable CSU Transferable & UC Transferable Online & Hybrid</p>

	<p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
000000.	<p>APPROVED, effective Fall 2027: HTEC 74A Initiator: Maureen Miramontes Title: Medical Transcription with Editing I Unit(s): 1.5 Lec Hour(s): 1 Lab Hour(s): 1.5</p> <p>5-Year Review Program Applicable CSU Transferable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
pppppp.	<p>APPROVED, effective Fall 2027: HTEC 374A Initiator: Maureen Miramontes Title: Medical Transcription with Editing I Unit(s): 0 Lec Hour(s): 1 Lab Hour(s): 1.5 Repeat: Unlimited</p> <p>5-Year Review Stand-Alone Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
qqqqqq.	<p>APPROVED, effective Fall 2027: HTEC 76A Initiator: Maureen Miramontes Title: Advanced Medical Coding I Unit(s): 1.5 Lec Hour(s): 1 Lab Hour(s): 1.5</p> <p>5-Year Review Program Applicable CSU Transferable</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
rrrrrr.	<p>APPROVED, effective Fall 2027: HTEC 76B Initiator: Maureen Miramontes Title: Advanced Medical Coding II Unit(s): 1.5 Lec Hour(s): 1 Lab Hour(s): 1.5</p> <p>5-Year Review Program Applicable CSU Transferable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u></p>

	—See Appendix A for required and/or recommended changes.
sssss.	<p>APPROVED, effective Fall 2027: HTEC 101H Initiator: Maureen Miramontes Title: Skill Building in Medical Transcription and Editing I Unit(s): 1 Lab Hour(s): 3</p> <p>5-Year Review Program Applicable Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>
ttttt.	<p>APPROVED, effective Fall 2027: HTEC 301H Initiator: Maureen Miramontes Title: Skill Building in Medical Transcription and Editing I Unit(s): 0 Lab Hour(s): 3 Repeat: Unlimited</p> <p>5-Year Review Stand-Alone Online</p> <p><u>Approved Curriculum Consensus Vote Items:</u> —See Appendix A for required and/or recommended changes.</p>

5. **OTHER BUSINESS:**

- a. DEI Review Process – Request to Streamline – Wilker
- Wilker has been successfully utilizing the current DEI process to review CORs; however, processing is taking more time than expected. To help resolve the issue, Wilker will be eventually phasing some DEI review responsibilities to the Committee’s Technical Review groups so that reviews do not rest solely on one individual. This will start with the Fall 2028 curriculum cycle.
 - Additional streamlining solutions included the following: faculty self-reporting form; fewer suggested edits; inclusion of answer banks for uniformity. Wilker then presented what additional areas each Technical Review group would be responsible for reviewing in the new process.
 - Committee’s next action item is to review these updates to the finalized process and approve via vote by the April 22, 2026 deadline.
 - Wilker will plan to lead trainings for the Committee groups in Fall 2026 on how to integrate this updated process into Technical Review in preparation for the 2028 curriculum cycle. The 2027 curriculum cycle will finish out under the current DEI review process.
 - Chang informed Committee that the Curriculum Office’s involvement in the updated Technical Review process will require additional consideration as well. Bliss stated there may be routing solutions available in the new CMS Coursedog once implemented.

Approved 4/14/2026 as presented

- Ray requested the removal of the “harmful/discriminatory” language requirement, as faculty may interpret the requirement as accusatory. Offered an alternative solution that if/when harmful language is found in a COR, the faculty member should be engaged with individually about the requirement.
 - **APPROVED** – (M/S/C – Judson/Nguyen)
Approve the Equity Process Updates as presented, with the removal of the “if harmful” language and requirements. Effective starting with courses in the Fall 2028 term and curriculum cycle.
 - Follow up action: This process will be taken to the next CAT meeting to discuss optimization details. Reminder that any required DEI changes made in Technical Review cannot be reviewed by the Curriculum Office, and a new process will need developed to account for this. Additionally, Committee agreed to further discussion once more is known about Coursedog system capabilities.
- b. CTE 64 Departmental Offerings – Singh
- Singh presented details from slide deck provided prior to Committee meeting via electronic mail. The presentation covered the questions of Discipline Assignment, TOP/CIP code assignment, repeatability, and Load Factor for the CTE 64 course.
 - Discipline Assignment: Recommendation was to make this assignment Interdisciplinary. Singh fielded questions regarding who decides the minimum qualifications vs. disciplines for each individual offering of the course, start-to-end process for how a section of the course would be created, whose approvals would be required to begin a section, and the process division between minimum qualifications assignment and discipline assignment. The outcomes of this discussion were as follows: Committee is not prepared to approve a discipline assignment yet; Vice President Bryant will be contacted to provide a process workflow to show Committee prior to an approval vote.
 - TOP Code Assignment: Singh will reach out to the course initiator Tran to confirm TOP code selection, with a Committee approval vote to follow. This will also confirm whether the course will remain a CTE designated course. Committee was reminded that if certain TOP codes are selected, this may limit certain departments’ ability to offer the course.
 - Repeatability: Repeatability of a course is limited by Title V. Committee agreed that so long as the CTE 64 course meets the necessary Title V exceptions, then repeatability of the course is acceptable. Steiner reminded Committee that one of these exceptions is that the course must be integrated into a student’s educational pathway; if the CTE 64 course maintains an Interdisciplinary status, then it does not meet the Title V pathway exception. Committee agreed that this topic will need to be brought back for further discussion.
 - Load Factor: Committee agreed that this topic will be decided at the Administrator level, and no CC approval is warranted.
- c. GE Pattern Approved by Academic Senate – Our Action Plan – Singh
- GE Pattern was approved by Academic Senate and will be effective Fall 2028.
 - Updates will be needed from Committee for: Criteria (defining GE), Form (to capture GE alignment), Rubric/Guide (to evaluate GE), and Support (to enable faculty success.)
 - Singh provided a brief walkthrough of the implementation plan, also sent out via electronic mail.
- d. Public Comments
- Chang: Wednesday May 25th is our first eLumen deadline. Faculty cannot initiate workflows in the system after Wednesday. Approximately 90 courses have not been started.

Approved 4/14/2026 as presented

- Singh: Will send a daily communications to get initiators moving. Reminded Committee that if curriculum is not initiated, the items will be suspended.

6. **MEETING ADJOURNED** — (M/S/C—Hughes/Nguyen)

APPENDIX A

<u>ACCTD301A</u>		
None		

<u>ACCTD305.</u>		
Area	Edit Type	Edit
Req/Adv	Recommended	Consider adding ACCT D301A as an prerequisite possibility for this course as well since it is the non-credit mirror of ACCT D001A.

<u>ACCTD87AI</u>		
Area	Edit Type	Edit
Basic Course Information - Foothill Equivalency	Required	Needs a Foothill Faculty Consultation Name
Req/Adv	Recommended	Consider adding ACCT D301A as an prerequisite possibility for this course as well since it is the non-credit mirror of ACCT D001A.

<u>ACCTD387I</u>		
Area	Edit Type	Edit
Req/Adv	Recommended	Consider adding ACCT D001A as an prerequisite possibility for this course as well since it is the credited mirror of ACCT D301A.
Outline - Course Outline	Required	Each course outline listing should be in Capital letters of A, B, C instead of 1,2,3. Ensure edits match between ACCTD87AI and ACCTD387I.

<u>ACCTD388.</u>		
Area	Edit Type	Edit
Req/Adv	Recommended	Consider adding ACCT D001A as an prerequisite possibility for this course as well since it is the credited mirror of ACCT D301A.

<u>BUSD072.</u>		
None		

<u>BUSD372.</u>		
Area	Edit Type	Edit
Basic Course Information - Mirrored Credit/Noncredit Course	Required	Select "Yes"; This is a mirrored credit/non-credit course.

<u>BUSD390.</u>		
None		

<u>CISD095G</u>		
Area	Edit Type	Edit
Basic Course Information - General Information	Gram/SPELL/Punc Error	Course Description: "By then, students...". Ensure edits match between CISD095G and CISD395G.
Specification - Assignments	Required	Restructure to Outline format. Ensure edits match between CISD095G and CISD395G.

Outline - Course Outline	Required	<p>Outline D is different from the corresponding Course Objective. Please update one of them so that these sections are identical. Ensure edits match between CISD095G and CISD395G.</p> <p>Outline D: Illustrate how to create a work environment that fosters self-management with development teams with diverse backgrounds and communities.</p> <p>4th Course Objective: Illustrate how to create a work environment that fosters self-management with development teams.</p>
Learning Outcomes - Course Objectives	Required	<p>Edit the corresponding objective to match the above change. Ensure edits match between CISD095G and CISD395G.</p>

<u>CISD395G</u>		
Area	Edit Type	Edit
Basic Course Information - General Information	Gram/Spell/Punc Error	Course Description: "By then, students...". Ensure edits match between CISD095G and CISD395G.
Specification - Assignments	Required	Restructure to Outline format. Ensure edits match between CISD095G and CISD395G.
Outline - Course Outline	Required	<p>Outline D is different from the corresponding Course Objective. Please update one of them so that these sections are identical. Ensure edits match between CISD095G and CISD395G.</p> <p>Outline D: Illustrate how to create a work environment that fosters self-management with development teams with diverse backgrounds and communities.</p> <p>4th Course Objective: Illustrate how to create a work environment that fosters self-management with development teams.</p>

Approved 4/14/2026 as presented

Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change. Ensure edits match between CISD095G and CISD395G.
Outline - Course Outline	Required	Outline F is different from the corresponding Course Objective. Please update one of them so that these sections are identical. Ensure edits match between CISD095G and CISD395G. Outline F: Demonstrate how to create Agile culture through your organization 6th Course Objective: Demonstrate how to build an inclusive Agile culture that values diverse perspectives and empowers collaboration across the organization.
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change. Ensure edits match between CISD095G and CISD395G.

CISD095H

Area	Edit Type	Edit
Basic Course Information - General Information	Required	Course Description must match between CISD095H and CISD395H
Specification - Assignments	Required	Assignment C must match between CISD095H and CISD395H
Specification - Methods of Evaluation	Required	Methods of Evaluation must match between CISD095H and CISD395H
Specification - Examples of Primary Texts and References	Required	Texts must match between CISD095H and CISD395H

Outline - Course Outline	Required	<p>CIS 95 Outline D: Communicate business requirements effectively to stakeholders, recognizing diverse stakeholder perspectives, power dynamics, and potential structural barriers that may affect decision-making and organizational outcomes.</p> <p>CIS 395H Outline D: Demonstrate lifecycle requirements that is comprised of continuous monitoring and documenting of requirements as well as the communication of the requirements status to stakeholders.</p> <p>CIS 95H and 395H outlines must be identical. Please choose the wording you prefer for Outline D and update each course to match.</p>
Learning Outcomes - Course Objectives	Required	<p>Edit the corresponding objective to match the above change. Ensure edits match between CISD095H and CISD395H</p>

CISD395H

Area	Edit Type	Edit
Basic Course Information - General Information	Required	Course Description must match between CISD095H and CISD395H
Specification - Assignments	Required	Assignment C must match between CISD095H and CISD395H
Specification - Methods of Evaluation	Required	Methods of Evaluation must match between CISD095H and CISD395H
Specification - Examples of Primary Texts and References	Recommended	Recommendation to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/
Specification - Examples of Primary Texts and References	Required	Review texts/references and update to reflect current publication/years
Specification - Examples of Primary	Required	Texts must match between CISD095H and CISD395H

Texts and References		
Outline - Course Outline	Required	<p>CIS 95 Outline D: Communicate business requirements effectively to stakeholders, recognizing diverse stakeholder perspectives, power dynamics, and potential structural barriers that may affect decision-making and organizational outcomes.</p> <p>CIS 395H Outline D: Demonstrate lifecycle requirements that is comprised of continuous monitoring and documenting of requirements as well as the communication of the requirements status to stakeholders.</p> <p>CIS 95H and 395H outlines must be identical. Please choose the wording you prefer for Outline D and update each course to match.</p>
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change. Ensure edits match between CISD095H and CISD395H

CISD095K

Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/

CISD501.

Area	Edit Type	Edit
Specification - Methods of Evaluation	Required	Edit or add a sub-topic indicating the final exam/project/paper
Learning Outcomes - Course Objectives	Required	Rewrite Course Objectives utilizing Blooms Taxonomy verbs and make them substantive.

Outline - Course Outline	Required	<p>Begin with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs</p> <p>Outline B: Direct AI to explore problem solving goals.</p> <p>Recommendations: Apply, Manipulate, Apply, Solve, Demonstrate</p>
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change
Outline - Course Outline	Required	<p>Begin with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs</p> <p>Outline D: Conduct self-directed learning.</p> <p>Recommendations: Demonstrate, Describe, Evaluate</p>
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change

CISD502.

Area	Edit Type	Edit
Specification - Methods of Evaluation	Required	Edit or add a sub-topic indicating the final exam/project/paper
Learning Outcomes - Course Objectives	Required	Rewrite Course Objectives utilizing Blooms Taxonomy verbs and make them substantive.
Outline - Course Outline	Required	<p>Begin with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs</p> <p>Outline C: Build and deliver solution.</p> <p>Recommendations: Construct, Solve</p>
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change

Outline - Course Outline	Required	<p>Begin with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs</p> <p>Outline D: Work collaboratively while maintaining individual accountability.</p> <p>Recommendations: Demonstrate, Exhibit</p>
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change

CTED064.

Area	Edit Type	Edit
Basic Course Information - Course Justification	Gram/Spell/Punc Error	This course provides a student the opportunity to translate (missing the word "to")
Specification - Methods of Instruction	Required	Edit or add a sub-topic indicating the final exam/project/paper
Req/Adv - Limitations on Enrollment (Other)	Required	Move the information in the "Prerequisite" field to the "Limitations on Enrollment - Other" field.

DMTD355.

Area	Edit Type	Edit
Outline - Course Outline	Gram/Spell/Punc Error	Identify the advantages and disadvantages of using CNC machining in a manufacturing design and how CNC machines "have" impacted manufacturing.
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change

ENGRD010.

Area	Edit Type	Edit
------	-----------	------

Approved 4/14/2026 as presented

Basic Course Information - Course Justification	Gram/Spell/Punc Error	Add a hyphen for "degree-required"
Specification - Methods of Evaluation	Required	Edit or add a sub-topic indicating the final exam/project/paper
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/
Outline - Course Outline	Required	<p>Outline C and the third Course Objective do not match. Please choose the wording you prefer and update the corresponding item to be identical.</p> <p>Outline C: Identify and resolve a variety of ethical problems in engineering practice, including issues related to equity, inclusion, bias, and systemic barriers.</p> <p>Third Course Objective: Identify and resolve a variety of ethical problems in engineering practice.</p>
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change

<u>ENGRD035.</u>		
Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/

<u>ENGRD037.</u>		
Area	Edit Type	Edit

Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/
---	-------------	---

<u>F/TVD029.</u>		
Area	Edit Type	Edit
Basic Course Information - General Information	Gram/SPELL/Punc Error	<p>Course Description - use complete sentences; Incomplete sentences will be edited during catalog production process.</p> <p>"Students will apply their newly acquire knowledge...." (should be newly ACQUIRED)</p> <p>"filmed in the sound stage" (should be filmed ON a soundstage)</p>
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/

<u>F/TVD372G</u>		
Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Change the program listed to a noncredit program. Remove the transferability statement, as this noncredit course is not transferable.
Outline - Course Outline	Required	<p>Begin with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs</p> <p>Outline B: Participate actively in group critiques of other students' work.</p> <p>Recommendation: Appraise, Evaluate, Critique</p>

Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change
Outline - Lab Component	Recommended	Begin all with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs

F/TVD372H

Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Change the program listed to a noncredit program. Remove the transferability statement, as this noncredit course is not transferable.
Outline - Lab Component	Recommended	Begin all with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs

F/TVD372J

Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Change the program listed to a noncredit program. Remove the transferability statement, as this noncredit course is not transferable.
Outline - Lab Component	Recommendation	Begin all with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs

HTECD074A

Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Required	Review texts/references and update to reflect current publication/years. Ensure edits match between HTECD074A and HTECD374A.

Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oori.org/california-community-colleges-open-educational-resources/ . Ensure edits match between HTECD074A and HTECD374A.
Outline - Lab Component	Required	Begin all with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs. Ensure edits match between HTECD074A and HTECD374A.

<u>HTECD374A</u>		
Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Required	Review texts/references and update to reflect current publication/years. Ensure edits match between HTECD074A and HTECD374A.
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oori.org/california-community-colleges-open-educational-resources/ . Ensure edits match between HTECD074A and HTECD374A.
Outline - Lab Component	Required	Begin all with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs. Ensure edits match between HTECD074A and HTECD374A.

<u>HTECD076A</u>		
Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oori.org/california-community-colleges-open-educational-resources/

Approved 4/14/2026 as presented

Outline - Course Outline	Required	Edit Outline K to begin with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs
Learning Outcomes - Course Objectives	Required	Edit the corresponding objective to match the above change
Outline - Lab Component	Required	Begin all with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs

HTECD076B

Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/
Learning Outcomes - Course Objectives	Required	Course Outline G doesn't match Course Objective G. Copy and paste Course Outline G to 7th Course Objective G so they match.
Outline - Lab Component	Required	Begin all with a Bloom's Taxonomy verb - see https://www.deanza.edu/curriculum/guides/blooms.html for a list of Bloom's verbs

HTECD101H

Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Required	Review texts/references and update to reflect current publication/years. Ensure edits match between HTECD101H and HTECD301H.
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/ . Ensure edits match between HTECD101H and HTECD301H.

Learning Outcomes - Course Objectives	Required	Course Outline C doesn't match Course Objective C. Copy and paste Course Outline C to third Course Objective C so they match. Ensure edits match between HTECD101H and HTECD301H.
---------------------------------------	----------	---

<u>HTECD301H</u>		
Area	Edit Type	Edit
Specification - Examples of Primary Texts and References	Required	Review texts/references and update to reflect current publication/years
Specification - Examples of Primary Texts and References	Recommended	Recommended to add at least one OER if available and if appropriate - see, https://libretexts.org/ or https://asccc-oeri.org/california-community-colleges-open-educational-resources/ . Ensure edits match between HTECD101H and HTECD301H.
Learning Outcomes - Course Objectives	Required	Course Outline C doesn't match Course Objective C. Copy and paste Course Outline C to third Course Objective C so they match. Ensure edits match between HTECD101H and HTECD301H.

<u>MANDD401.</u>		
Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Please include one of the following: what award course is on, or or if it is a stand-alone course.
Basic Course Information - Stand-Alone Statement	Required	If the course is a stand-alone course as determined above, complete the Stand-Alone Statement here.
Course Development Options - Associate Courses	Required	If the course is part of a noncredit program as determined above, include the program here by following the eLumen manual instructions on page 46.

<u>MANDD402.</u>		
Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Please include one of the following: what award course is on, or or if it is a stand-alone course.
Basic Course Information - Stand-Alone Statement	Required	If the course is a stand-alone course as determined above, complete the Stand-Alone Statement here.
Course Development Options - Associate Courses	Required	If the course is part of a noncredit program as determined above, include the program here by following the eLumen manual instructions on page 46.

<u>MANDD403.</u>		
Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Please include one of the following: what award course is on, or or if it is a stand-alone course.
Basic Course Information - Stand-Alone Statement	Required	If the course is a stand-alone course as determined above, complete the Stand-Alone Statement here.
Course Development Options - Associate Courses	Required	If the course is part of a noncredit program as determined above, include the program here by following the eLumen manual instructions on page 46.

<u>MANDD404.</u>		
Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Please include one of the following: what award course is on, or or if it is a stand-alone course.
Basic Course Information - Stand-Alone Statement	Required	If the course is a stand-alone course as determined above, complete the Stand-Alone Statement here.

Course Development Options - Associate Courses	Required	If the course is part of a noncredit program as determined above, include the program here by following the eLumen manual instructions on page 46.
--	----------	--

<u>MANDD405.</u>		
Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Please include one of the following: what award course is on, or or if it is a stand-alone course.
Basic Course Information - Stand-Alone Statement	Required	If the course is a stand-alone course as determined above, complete the Stand-Alone Statement here.
Course Development Options - Associate Courses	Required	If the course is part of a noncredit program as determined above, include the program here by following the eLumen manual instructions on page 46.

<u>MANDD406.</u>		
Area	Edit Type	Edit
Basic Course Information - Course Justification	Required	Please include one of the following: what award course is on, or or if it is a stand-alone course.
Basic Course Information - Stand-Alone Statement	Required	If the course is a stand-alone course as determined above, complete the Stand-Alone Statement here.
Course Development Options - Associate Courses	Required	If the course is part of a noncredit program as determined above, include the program here by following the eLumen manual instructions on page 46.