



## Curriculum Committee

Monday, May 17, 2021 2:30 – 4:00 p.m., Via Zoom

### AGENDA

eLumen Curriculum Software – dvc.elumenapp.com

Item	Agenda Item
1.	Approval of May 17, 2021 Agenda
2.	Approval of May 3, 2021 Minutes
3.	Public Comment
4.	Announcements
	☛ Fall FLEX workshop, August 18, 1:00 – 3:00 p.m.
	☛ First meeting of FA22 August 30, 2:30 via Zoom
5.	Status Report by Vice President of Instruction or designee

#### 6. Discussion Item/Possible Action

Course maximum change – *information only* (30 to 26)

Effective spring 2022

**ENGL-122L First Year College Composition and Reading With Additional Support**

**ENGL-122M First Year College Composition and Reading With Support**

#### 7. Consent Agenda

Title 5 revisions – effective fall 2022

**ARCHI-130 Architectural Graphics I**

**ARCHI-131 Architectural Graphics II**

**ARCHI-135 Digital Tools for Design**

**ARCHI-136 Digital Tools for Architecture**

**ARCHI-221 Architectural Design III**

**ARCHI-296 Internship in Occupational Work Experience Education in ARCHI**

**PHYS-113 Elementary Modern Physics: From Atoms to the Big Bang**

**PHYS-130 Physics for Engineers and Scientists A: Mechanics and Wave Motion**

**PHYSC-112 Fundamentals of Physical Science**

**GEOG-130 Cultural Geography**

**GEOG-135 World Regional Geography**

**GEOG-140 Introduction to Weather**

**GEOG-141 Introduction to Weather Laboratory**

Approval of Distance Education Supplement – Effective FA21

100% and Hybrid Options or Hybrid Only (COVID Approval)

**ADJUS-206 Advanced Crime Scene Forensics**

**ANTHR-125 Introduction to Archaeology and Prehistory**

**ART-121 Watercolor II**

**DANCE-205 Music Theory for Dancers**

**ECE-106 Child Behavior: Is This Normal?**

**ELECT-130 Motors and Motor Controllers**



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- MUSIC-162** Concert Choir
- MUSIC-180** Diablo Valley Masterworks Chorale
- SOCSC-220** Women in United States Society

Addition of Prerequisite – effective fall 2022

**PSYCH-215** Introduction to Research Methods in Psychology

*Adding PSYCH-214 option to math prerequisite*

### **Spring 2021 CE Prerequisite Review/Update**

Jeffrey Smith and Manuel Covarrubias, ELECT and ENGTC faculty, have reviewed and confirmed that all prerequisites in the following courses are current and continue to increase student success with the exception of ENGTC-111. This course will be automatically updated as noted below in the update of prerequisites.

<b>COURSE</b>	<b>COURSE TITLE</b>	<b>Prereq</b>	<b>Action Required</b>
ELECT-220	Circuit Diagnosis and Analysis: Troubleshooting	ELECT-120	No change
ELECT-230	Electro-Mechanical Equipment	ELECT-120	No change
ENGTC-111	Mathematics for Technicians	Placement into MATH-121; or MATH-085 or MATH 085SP; or MATH-090 or MATH-090E or MATH-090SP; or assessment process; or equivalent	Placement into MATH-121 or higher or MATH-085 or MATH 085SP or beginning algebra or equivalent
ENGTC-166	Machining and Manufacturing II	ENGTC-165	No change

### 8. First Review/Possible Action

Off-schedule revision – effective fall 2022

**PSYCH-101** Introduction to Psychology

*Addition of Credit for Prior Learning - AP*

Update of prerequisites and advisories – effective fall 2022

*See attached*

**ARCHI-207** Environmental Control Systems

**ASTRO-120** Elementary Astronomy



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ASTRO-128	The Universe for Beginners
BIOSC-119	Fundamentals of Microbiology
BIOSC-140	Human Physiology
BIOSC-146	Principles of Microbiology
BUS-240	Business Statistics
CHEM-106	Chemistry for Non-Science Majors
CHEM-107	Integrated Inorganic, Organic, and Biological Chemistry
CHEM-108	Introductory Chemistry
COMSC-110	Introduction to Programming
CONST-182	Building Code Interpretation: Structural
ECON-220	Principles of Macroeconomics
ECON-221	Principles of Microeconomics
ENGIN-130	Energy, Society, and the Environment
ENGTC-111	Mathematics for Technicians
ENSY-125	Building Envelope and Systems
GEOG-120	Physical Geography
GEOG-162	Map Design and Visualization
GEOL-120	Physical Geology
GEOL-122	Physical Geology Laboratory
GEOL-130	Earth Science
HORT-110	Introduction to Horticulture and Plant Science
HORT-120	Soil and Science Management
HORT-121	Soil Science and Management Laboratory
HORT-125	Integrated Pest Management
MATH-053	In-Progress College Algebra Self-Paced
MATH-135	College Algebra
MATH-135SP	College Algebra - Self Paced
MATH-142	Elementary Stats with Probability
MATH-182	Calculus for Management, Life Science and Social Science I
MATH-191	Pre-Calculus
MATH-191SP	Pre-Calculus-Self Paced
MATH-192	Analytic Geometry and Calculus I
PHYS-110	Elementary Physics
PHYS-112	Elementary Physics with Laboratory
PSYCH-214	Introduction to Statistics for Psychology

### 9. Second Review/Possible Action

New Course – final approval, effective spring 2022 (addendum)

**ENGL-091NC** English Skills for Success - Noncredit



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**ESL-060**      **Beginning English Grammar**

**ESL-060NC**    **Beginning English Grammar - Noncredit**

**ESL-100A**      **College Grammar and Editing for Multilingual Students**

**ESL-100NC**    **College Grammar and Editing for Multilingual Students - Noncredit**

**MATH-002NC** **Fundamental Math Skills for the Statistics Pathway - Noncredit**

**MATH-003NC** **Fundamental Math Skills for Business and STEM Pathways - Noncredit**

New Program – final approval, effective spring 2022 (addendum)

**Certificate of Competency – Skills for College Success**

10.    **Other Business**

Tenure Track Faculty – Jason Carrick, Rayshell Clapper, Jacob VanVleet, Kit Colwell

Retirements – Kim Schenk

# DVC

## Curriculum Committee

May 3, 2021

### UNApproved Minutes

eLumen – [dvc.elumenapp.com](http://dvc.elumenapp.com)

Present: Claudia Hein (Chair), Lesley Agostino (recording minutes), Loc Huynh, Maria Dorado, Adhitya Mohan, Jacob VanVleet, Allan Lacayo, Kitran Colwell, Thao Pham, Martina Ebesugawa, Mike Chisar, Troy Bennett (Incoming Chair), Kim Schenk (VPI Designee), Rayshell Clapper

Absent: Library Representative, Kristen Colchico, Jason Carrick, Lisa Colgan

Guests: Mickey Huff, Laurie Sample, Kelvyn Moran

#### *Meeting held via Zoom*

Hein called the meeting to order at 2:33 p.m.

1. Approval of the May 3, 2021 agenda:

**It was MSC, with no objections and by all present, to approve the agenda as written.**

2. Approval of the April 26, 2021 minutes:

**It was MSC, with no objections and by all present, to approve the minutes as written.**

3. Public Comment: None

4. Announcements:

- No meeting May 10, final meeting of semester May 17.
- Email sent regarding current members and if they are returning for FA22. Respond to Hein or Agostino.
- Curriculum Institute (virtual) – July 7-9. Those interested should contact Hein or Agostino.
- Next agenda packet will have UCTA memo for review. Please review with your department/division and bring any changes/updates to the May 17 meeting.
- Changes to course prerequisites/advisories due to deletions of Math courses will be on the May 17 agenda. A spreadsheet with proposed changes went to all appropriate department chairs, deans, and curriculum committee representatives.

5. Status Report by VPI or designee: None

6. First Review/Possible Action

New Course PreCheck

**SOCS-122    Media Literacy and Critical Thinking**



## Curriculum Committee

May 3, 2021

### UNApproved Minutes

eLumen – [dvc.elumenapp.com](http://dvc.elumenapp.com)

Mickey Huff presented SOCSC-122 for PreCheck. The course is being developed with a mindful approach to media and current events. There is some interest in the area from students as well as social science and journalism. Huff will work with Pham on requesting the correct articulation.

**It was MSC, with no objections and by all present, to approve SOCSC-122 for course development.**

**ESL-060            Beginning English Grammar**  
**ESL-060NC        Beginning English Grammar - Noncredit**  
**ESL-110A         College Grammar and Editing for Multilingual Students**  
**ESL-110NC        College Grammar and Editing for Multilingual Students - Noncredit**

Clapper and Kelyvn Moran presented four new ESL courses for PreCheck. The courses will act as additional grammar support for ESL students. There was some question about using “110” and the department will discuss before tech review. ESL-060 will be added to the English as a Second Language certificates.

**It was MSC, with no objections and by all present, to approve ESL-060, ESL-060NC, ESL-110A, and ESL-110NC for course development**

#### 7. Consent Agenda

Title 5 revisions – effective fall 2022

**MATH-021        Support for Success in MATH-121 Plane Trigonometry**  
**MATH-041        In-Progress Beginning and Intermediate Algebra Self-Paced**  
**MATH-080        Topics in Basic Skills Math**  
**MATH-119        Beginning and Intermediate Algebra**  
**MATH-119SP     Beginning and Intermediate Algebra Self-Paced**  
**MATH-121        Plane Trigonometry**  
**MATH-124        Mathematics for Liberal Arts**  
**MATH-125        Mathematical Concepts for Elementary School Teachers**  
**MATH-140        Tutor Training**  
**MATH-194        Linear Algebra**

Course Deletion – effective fall 2021

**CULN-167        Restaurant Operations in the Dining Room**

Course Deletions – effective fall 2022

**MATH-050        In-Progress Prealgebra with Arithmetic Review Self-Paced**  
**MATH-051        In-Progress Elementary Algebra Self-Paced**  
**MATH-052        In-Progress Intermediate Algebra Self-Paced**  
**MATH-075        Prealgebra with Arithmetic Review**



**Curriculum Committee**

**May 3, 2021**

**UNApproved Minutes**

**eLumen – dvc.elumenapp.com**

**MATH-075SP Prealgebra and Arithmetic Review - Self Paced**

**MATH-090 Elementary Algebra**

**MATH-090SP Elementary Algebra-Self Paced**

**MATH-120 Intermediate Algebra**

**MATH-120SP Intermediate Algebra-Self Paced**

Addition of Distance Education – effective summer 2021

**ADS-168 Group Process and Leadership**

Off-schedule revision – effective fall 2022

**MATH-181 Finite Mathematics**

*Revision to prerequisite*

**Spring 2021 CE Prerequisite Review/Update**

Mickey Huff, Journalism advisor, has reviewed the prerequisites in the following courses. In order to keep current and continue to increase student success one change has been made to JRNAL-126. No further changes are recommended for JRNAL-127.

<b>COURSE</b>	<b>COURSE TITLE</b>	<b>Prereq</b>	<b>Action Required</b>
JRNAL-126	News Production Laboratory I	JRNAL-120 (may be taken concurrently) or JRNAL-125 or JRNAL-130	All courses changed to advisories.
JRNAL-127	News Production Laboratory II	JRNAL-126	No change

**It was MSC, with no objections and by all present, to approve the consent agenda as written.**

8. Discussion Item/Possible Action

Credit for Prior Learning in eLumen – Hein showed the committee the new Credit for Prior Learning section in eLumen. She noted that the title of the section is incorrect and will be corrected shortly by eLumen. It was emphasized that credit for prior learning is a faculty led process. Pham recommended faculty contact her before requesting new credit for prior learning to ensure no issues with articulation/transfer. The new section of eLumen is active. Hein clarified that the administration of credit for prior learning is done outside of eLumen in conjunction with Admissions and Records. Schenk reminded the committee that fees can only be collected from students for Credit by Exam. The following is the link to our current catalog addendum that includes the policy for Credit for Prior Learning.



**Curriculum Committee**

**May 3, 2021**

**UNApproved Minutes**

**eLumen – [dvc.elumenapp.com](https://dvc.elumenapp.com)**

<https://www.dvc.edu/communication/pdfs/addendum-20-21.pdf>

Palomar College has done an extensive CPL pilot project supported by the state.

<https://www2.palomar.edu/pages/cpl/>

Hein adjourned the meeting at 3:23 p.m.



SUBJECT	NO.	Example 1	Example 2
ADJUS	206	<p>Watch the video on the demonstration of the drone crime scene video mapping. Write a two-page essay describing the purpose, basic technology, and objectives of the drone mapping. Upload your essay to the Discussion Board assignment on the learning management system and provide commentary feedback on two other students' essays.</p>	<p>Research the internet/news media and locate an important criminal court case that involves advanced crime scene evidence collection technology. Write a three-page essay that summarizes the case, identifies the technology, describes how the technology was used to document and collect the forensic evidence, and describes the basic science involved with this technology. Compare the points in your paper to what you have learned in the course. Upload your report to the learning management system. Edit your report based on your instructor feedback and submit for final grading.</p>
ADS	168	Coming through eLumen	Coming through eLumen
ANTHR	125	<p>Write a 200-to-300 word paragraph discussing at least two of the major theories for the origins of agriculture, commenting on both their strengths and weaknesses. Provide an explanation of the theory that you support and why. Upload the paragraph to the discussion board on the learning management system. Then, Read and comment on at least two other classmates' paragraphs (comments should be 50-100 words each).</p>	<p>Write and submit a research proposal focused on the archaeological evidence of the agricultural practices of one of the indigenous New World civilizations. In 200-to-300 words, explain which civilization you plan to investigate and the time span that the paper will focus on. Describe the methods to be used and the resources that are required to complete the project, and also summarize the archaeological work that has been carried out in the region. Complete and submit your proposal through the learning management system. Your instructor will assess and provide recommendations for improving the proposal. Revise the proposal and resubmit it for final approval through the learning management system.</p>
ART	121	<p>Preview the PowerPoint on creating a color collage based on a master painting. Using that master painting as a reference, create a simplified collage using found color swatches based on your master painting. When you have completed your collage, translate it into a watercolor painting. Upload the collage and the completed painting to the discussion board. Select the work of three of your classmates and provide comments and feedback.</p> <p>Feedback and Comment Suggestions:</p> <ul style="list-style-type: none"> <li>Discuss the accuracy of the color mixing and application</li> <li>Identify what is most successful about the composition</li> <li>Describe the watercolor techniques applied</li> </ul>	<p>Find a master watercolorist, either contemporary or historical. Use the following prompts to write a brief 200-to-500 word description of the artist's use of watercolor. Select two-to-three examples of the artist's work to discuss.</p> <p>Describe the subject matter in the artist's work (e.g. figurative, landscape, still life, abstract).  Discuss the content of the work. What is the artist trying to communicate with the subject matter?  If you could ask the artist one technical question about their watercolor painting process, what would you ask?  Upload your paper to the learning management system for feedback and grading by your instructor.</p>

SUBJECT	NO.	Example 1	Example 2
DANCE	205	After viewing a lecture and reading about syncopation, upload a video to learning management system of a short phrase as a sample of moving to syncopated rhythms. Instructor will give feedback and points based on the instructor-developed rubric.	Read the chapter on music dynamics. Prepare a short phrase composition using two different musical dynamics, upload video to learning management system discussion board, and respond with feedback to at least two other students' work.
ECE	106	Read the handout "Temperament & Behavior" on the learning management system. Post to the discussion board two ways in which you see temperament affecting a child's behavior. Comment on two of your classmates' responses.	Download and read the handout "Guiding Children's Behavior". Write a one-to-two page paper for instructor review highlighting two positive guidance techniques and how you will use them at home with your child or with the children you work with.
ELECT	130	View the virtual demonstration and corresponding reading materials within your Learning Management System (LMS) related to motor overloads. Be prepared to install three motor overload protectors in the three phase motor virtually. Follow the online procedure to test for proper operation. When you are completed, provide the results in a recorded animation and graph within your LMS's discussion board. Review the work of two of your peers and	Within your class Learning Management System (LMS), complete the readings and online demonstration related to motor maintenance. Be prepared to virtually disassemble a single-phase motor and then inspect and repair or replace the motor brushes and bearings using the simulation software. Complete the online activity and complete the quiz. When completed, upload your findings for instructor feedback and grading.
MUSIC	162	Practice the assigned Concert Choir singer's part for choral selection. With click track, record and upload your video performance for review by your section leader. Incorporate feedback into your performance.	Practice notes, articulation and phrasing per your section leader's review of your uploaded video performance. Be prepared to perform your part with the entire Concert Choir singers at the next group rehearsal. Incorporate feedback into your performance.
MUSIC	180	Practice the assigned Masterworks Choral singer's part for choral selection. With click track, record and upload your video performance for review by your section leader. Incorporate feedback into your performance.	Practice notes, articulation and phrasing per your section leader's review of your uploaded video performance. Be prepared to perform your part with the entire Masterworks Chorale singers at the next group rehearsal. Incorporate feedback into your performance.

SUBJECT	NO.	Example 1	Example 2
SOCSC	220	<p>Read the chapter, "The Hidden Injuries of Sex, in The World Split Open" by Ruth Rosen. Write a four-to-five page essay discussing the ways in which the second wave feminist movement transformed American sexual culture and politics. How were issues like the Miss America pageant, sexuality, prostitution, rape and pornography challenged and reconceptualized by viewing these issues through the feminist framework made popular in the 1970s second wave movement? In your view, what contemporary social issue do you think feminists of today are still contending with the most and why? Upon completing your essay, submit it to your peer review group for comments to incorporate into your essay prior to competing your final version. Review and comment on one other student's essay.</p>	<p>Watch the documentary, Killing us Softly Pt. 4, by Jean Kilbourne. After reflecting on the main argument about how the media depicts women, complete the following assignment: Using the internet, find two advertisements that reflect contemporary portrayals of women in society (e.g. in the workplace, as political actors, in the family, etc.). Using the Padlet App, create and post an entry to the wall that includes your advertisements and a brief discussion of whether the images that you found are consistent with Kilbourne's argument or whether they reflected a different view of how the media depicts women. After posting your entry to the wall, comment on one Padlet entry posted to the wall by a classmate. Incorporate your classmate's feedback and submit for grading by your instructor.</p>

Course Name		Current Catalog	Recommended Changes for Curriculum Action FA22 Catalog	C-ID
ARCHI-207	Environmental Control Systems	Recommended: MATH-090 or equivalent	Advisory: MATH-085 or MATH-085SP or beginning algebra or equivalent	
ASTRO-120	Elementary Astronomy	Recommended: MATH-090 or MATH-090SP or MATH-090E or one year of high school algebra or equivalent and eligibility for ENGL-122 or equivalents	Advisory: MATH-085 or MATH-085SP or beginning algebra and college-level reading and writing are expected or equivalents	
ASTRO-128	The Universe for Beginners	Recommended: MATH-090 and eligibility for ENGL-122 or equivalents	Advisory: MATH-085 or MATH-085SP or beginning algebra and college-level reading and writing are expected or equivalents	
BIOSC-119	Fundamentals of Microbiology	Recommended: High school or college biology or chemistry; eligibility for ENGL-122; and MATH-120 or equivalents	Advisory: High school or college biology or chemistry and college-level reading and writing are expected and MATH-119 or MATH-119SP or intermediate algebra or equivalents	
BIOSC-140	Human Physiology	Prerequisite: BIOSC-120 or BIOSC-139 or Equivalent. CHEM-107, 108, 109 or 120 or one year of high school chemistry or equivalents. Recommended: BIOSC-102, eligibility for ENGL-122, MATH-119, and MATH-120 or equivalents.xc	Prerequisite: BIOSC-120 or BIOSC-139 and CHEM-107 or 108 or 109 or 120 or one year of high school chemistry or equivalents Recommended: BIOSC-102 and college-level reading and writing are expected and MATH-119 or MATH-119SP or intermediate algebra or equivalents	BIOL 120B
BIOSC-146	Principles of Microbiology	• Recommended: Eligibility for ENGL 122 and MATH 120 or High school or College biology or equivalents	Advisory: college-level reading and writing are expected and MATH 119 or MATH-119SP or intermediate algebra and high school or college biology or equivalents	
BUS-240	Business Statistics	Prerequisite: Placement into BUS-240; or MATH-119; MATH-119SP; or MATH-120; or MATH-120SP; or assessment process or equivalent.	Prerequisite: Placement into BUS-240 or MATH-119 or MATH-119SP or intermediate algebra or equivalent	MATH 110 Intermediate Algebra or any CSU accepted* statistics pathway curriculum prerequisite  *At present there are two mechanisms to become accepted:  the proposed statistics course has been accepted to meet CSU General Education Breadth Area B4 the pathway has been accepted by the CSU Chancellor's Office process per its October 20, 2015 memo (Statistics Pathways in CSU Quantitative Reasoning)

Course Name		Current Catalog	Recommended Changes for Curriculum Action FA22 Catalog	C-ID
CHEM-106	Chemistry for Non-Science Majors	Prerequisite: Placement into MATH-121; or MATH-085 or MATH-085SP; or MATH-090 or MATH 090E or MATH 090SP or assessment process; or equivalent Recommended: Eligibility for ENGL 122 or equivalent Note: This is not a preparatory course for other chemistry courses.	Prerequisite: Placement into MATH-121 or higher or MATH-085 or MATH-085SP or beginning algebra or equivalent Advisory: College-level reading and writing are expected. Note: This is not a preparatory course for other chemistry courses.	CHEM 100 Prerequisites Elementary algebra
CHEM-107	Integrated Inorganic, Organic, and Biological Chemistry	Prerequisite: Placement into MATH-121; or MATH-085 or MATH 085SP; or MATH-090 or MATH-090E or MATH-090SP or assessment process; or equivalent Recommended: Eligibility for ENGL 122 or equivalent Note: This course does not fulfill the prerequisite to CHEM-120.	Prerequisite: Placement into MATH-121 or higher or MATH-085 or MATH 085SP or beginning algebra or equivalent Advisory: College-level reading and writing are expected. Note: This course does not fulfill the prerequisite to CHEM-120.	CHEM 101 Prerequisites Beginning Algebra
CHEM-108	Introductory Chemistry	Prerequisite: Placement into MATH-121; or MATH-085 or MATH 085SP; or MATH-090 or assessment process; or equivalent Recommended: Eligibility for ENGL 122 or equivalent.	Prerequisite: Placement into MATH-121 or higher or MATH-085 or MATH 085SP or beginning algebra or equivalent Advisory: College-level reading and writing are expected.	
CHEM-120	General College Chemistry I	Prerequisite: CHEM-108 or score of 3, 4 or 5 on AP Chemistry test or appropriate chemistry skill level demonstrated through Chemistry Diagnostic Test or equivalent; and Placement into MATH-121; or MATH-119 or MATH 119SP; or MATH-120 or MATH-120SP; or assessment process; or equivalent Recommended: Eligibility for ENGL-122 or equivalent	Prerequisite: CHEM-108 or score of 3, 4, or 5 on AP Chemistry test or appropriate chemistry skill level demonstrated through Chemistry Diagnostic Test and placement into MATH-121 or higher or MATH-119 or MATH 119SP or intermediate algebra or equivalents Advisory: College-level reading and writing are expected.	CHEM 110 Prerequisites Intermediate Algebra. CHEM 120S - Prerequisites Intermediate Algebra; CHEM 110 is a prerequisite for the second semester of General Chemistry <b>Done in T5 revision for FA22</b>

Course Name		Current Catalog	Recommended Changes for Curriculum Action FA22 Catalog	C-ID
COMSC-110	Introduction to Programming	Prerequisite: Placement into MATH-121; or MATH-085 or MATH-085SP; or MATH-090 or MATH-090E or MATH-090SP; or assessment process; or equivalent Recommended: COMSC-101 or equivalent	Prerequisite: Placement into MATH-121 or higher or MATH-085 or MATH-085SP or beginning algebra or equivalent Advisory: COMSC-101 or equivalent	
CONST-182	Building Code Interpretation: Structural	Recommended: MATH-090 or MATH-090SP or MATH-090E or one year of high school algebra or equivalent	Advisory: MATH-085 or MATH-085SP or beginning algebra or equivalent	
ECON-220	Principles of Macroeconomics	Prerequisite: Placement into MATH-121; or MATH-119 or MATH 119SP; or MATH-120 or MATH-120SP; assessment process; or equivalent Recommended: Eligibility for ENGL-122 or equivalent	Prerequisite: Placement into MATH-121 or higher or MATH-119 or MATH 119SP or intermediate algebra or equivalent Advisory: College-level reading and writing are expected.	ECON 202 - Prerequisites Elementary Algebra,  Advisories Intermediate Algebra
ECON-221	Principles of Microeconomics	Prerequisite: Placement into MATH-121; or MATH-119 or MATH 119SP; or MATH-120 or MATH-120SP; assessment process; or equivalent Recommended: Eligibility for ENGL-122 or equivalent	Prerequisite: Placement into MATH-121 or higher or MATH-119 or MATH 119SP or intermediate algebra or equivalent Advisory: College-level reading and writing are expected.	ECON 201 - Prerequisites Elementary Algebra,  Advisories Intermediate Algebra
ENGIN-130	Energy, Society, and the Environment	Recommended: Eligibility for ENGL-122 and MATH-090 or equivalents	Advisory: College-level reading and writing are expected and MATH-085 or MATH-085SP or beginning algebra or equivalents	
ENGTC-111	Mathematics for Technicians	Prerequisite: Placement into MATH-121; or MATH-085 or MATH 085SP; or MATH-090 or MATH-090E or MATH-090SP or assessment process; or equivalent Formerly ENGIN-111	Prerequisite: Placement into MATH-121 or higher or MATH-085 or MATH 085SP or beginning algebra or equivalent	
ENSY-125	Building Envelope and Systems	Recommended: ENSYS-120 or equivalent and MATH-090 or MATH-090E or MATH-090SP or equivalent	Advisory: ENSYS-120 and MATH-085 or MATH-085SP or beginning algebra or equivalents	

Course Name		Current Catalog	Recommended Changes for Curriculum Action FA22 Catalog	C-ID
GEOG-120	Physical Geography	Recommended: MATH-090 or MATH-090E or MATH-090SP or one year of high school algebra or equivalents	Advisory: MATH-085 or MATH-085SP or beginning algebra or equivalent	GEOG 110 Advisories Elementary Algebra
GEOG-140	Introduction to Weather	Recommended: MATH-090 or equivalent	Advisory: MATH-085 or MATH-085SP or beginning algebra or equivalent	GEOG 130 Advisories Ability to read a college level text, eligibility for English composition, Elementary Algebra <b>Done in T5 revision for FA22</b>
GEOG-141	Introduction to Weather Laboratory	Co-requisite: GEOG-140 or equivalent (may be taken previously) Recommended: MATH-090 or equivalent	Co-requisite: GEOG-140 or equivalent (may be taken previously) Advisory: MATH-085 or MATH-085SP or beginning algebra or equivalent	<b>Done in T5 revision for FA22</b>
GEOG-162	Map Design and Visualization	Recommended: MATH-090 or MATH-090SP or MATH-090E or equivalent	Advisory: MATH-085 or MATH-085SP or beginning algebra or equivalent	
GEOL-120	Physical Geology	Recommended: MATH-090 or MATH-090E or MATH-090SP or one year of high school algebra and eligibility for ENGL-122 or equivalents	Advisory: MATH-085 or MATH-085SP or beginning algebra and college-level reading and writing are expected or equivalents	GEOL 100
GEOL-122	Physical Geology Laboratory	Co-requisite: GEOL-120 (may be taken previously) or equivalent Recommended: MATH-090 or MATH-090E or MATH-090SP or one year of high school algebra or equivalent Note: Field trips may be included in the course	Co-requisite: GEOL-120 (may be taken previously) or equivalent Advisory: MATH-085 or MATH-085SP or beginning algebra or equivalent Note: Field trips may be included in the course	GEOL 100L
GEOL-130	Earth Science	Recommended: MATH-090 or MATH-090E or MATH-090SP or one year of high school algebra and eligibility for ENGL-122 or equivalents	Advisory: MATH-085 or MATH-085SP or beginning algebra and college-level reading and writing are expected or equivalents	GEOL 121
HORT-110	Introduction to Horticulture and Plant Science	Recommended: CHEM-106, Math 090 and Eligibility for ENGL-122 or equivalent	Advisory: CHEM-106 and MATH-085 or MATH-085SP or beginning algebra and college-level reading and writing are expected or equivalents	AG-PS 106L
HORT-120	Soil and Science Management	Recommended: CHEM-106, MATH-110 and eligibility for ENGL-122 or equivalents	Advisory: CHEM-106 and MATH-085 or MATH-085SP or beginning algebra and college-level reading and writing are expected or equivalents	AG-PS 128L

Course Name		Current Catalog	Recommended Changes for Curriculum Action FA22 Catalog	C-ID
HORT-121	Soil Science and Management Laboratory	Prerequisite: HORT-110, HORT-120 or equivalents (may be taken concurrently) Recommended: Eligibility for ENGL-122, CHEM-106, MATH-110 or equivalents Formerly HORT-120L	Prerequisite: HORT-110 and HORT-120 or equivalents (may be taken concurrently) Advisory: College-level reading and writing are expected and CHEM-106 and MATH-085 or MATH-085SP or beginning algebra or equivalents	AG-PS 128L
HORT-125	Integrated Pest Management	Prerequisite: HORT-110 (may be taken concurrently) or equivalent Recommended: eligibility for ENGL-122, MATH-110 or equivalents	Prerequisite: HORT-110 (may be taken concurrently) or equivalent Advisory: MATH-085 or MATH-085SP or beginning algebra and college-level reading and writing are expected or equivalents	
MATH-053	In-Progress College Algebra Self-Paced	Recommended: Placement into MATH-114 or higher; or MATH-090; or MATH-090SP; or MATH-090E; or assessment process or equivalent. Note: Students do not enroll directly in this course. Enrollment is limited to transfer by instructor.	Advisory: Placement into MATH-135 or MATH-085 or MATH-085SP or beginning algebra or equivalent Note: Students do not enroll directly in this course. Enrollment is limited to transfer by instructor.	
MATH-135	College Algebra	Prerequisite: Placement into MATH-135; or MATH-119; or MATH-119SP; or MATH-120; or MATH-120SP; or MATH-035 (may be taken concurrently with MATH-135); or assessment process. Or Equiv.	Prerequisite: Placement into MATH-135 or MATH-119 or MATH-119SP or MATH-035 (may be taken concurrently with MATH-135) or intermediate algebra or equivalent	
MATH-135SP	College Algebra - Self Paced	Prerequisite: Placement into MATH-135; or MATH-119; or MATH-119SP; or MATH-120; or MATH-120SP; or assessment process. Or Equiv	Prerequisite: Placement into MATH-135 or MATH-119 or MATH-119SP or intermediate algebra or equivalent	



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MATH-142	Elementary Stats with Probability	Prerequisite: Placement into MATH-142; or MATH 119; or MATH-119SP; or MATH 120; or MATH 120SP; or MATH-042 (may be taken concurrently with MATH-142); or assessment process. Or Equiv. Note: Graphing calculator, computer, or other technology required.	Prerequisite: Placement into MATH-142 or MATH 119 or MATH-119SP or MATH-042 (may be taken concurrently with MATH-142) or intermediate algebra or equivalents Note: Graphing calculator, computer, or other technology required.	MATH 110 Intermediate Algebra or any CSU accepted* statistics pathway curriculum prerequisite  *At present there are two mechanisms to become accepted:  the proposed statistics course has been accepted to meet CSU General Education Breadth Area B4 the pathway has been accepted by the CSU Chancellor's Office process per its October 20, 2015 memo (Statistics Pathways in CSU Quantitative Reasoning)
MATH-182		Prerequisite: Placement into MATH-182; or MATH-135; or MATH-135SP; or MATH-191; or MATH-191SP; or assessment process or equivalent Recommended: Eligibility for ENGL-122 or equivalent	Prerequisite: Placement into MATH-182; or MATH-135; or MATH-135SP; or MATH-191; or MATH-191SP; or equivalent Advisory: College-level reading and writing are expected.	
MATH-191		Prerequisite: Placement into MATH-191; or MATH-121; or assessment process or equivalent.	Prerequisite: Placement into MATH-191; or MATH-121; or equivalent.	
MATH-191SP		Prerequisite: Placement into MATH-191; or MATH-121; or assessment process or equivalent.	Prerequisite: Placement into MATH-191; or MATH-121; or equivalent.	
MATH-192		Prerequisite: Placement into MATH-192; or MATH-191; or MATH-191SP; or assessment process or equivalent.	Prerequisite: Placement into MATH-192; or MATH-191; or MATH-191SP; or equivalent.	

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PHYS-110	Elementary Physics	<p>Prerequisite: Placement into MATH-121; or MATH-119 or MATH 119SP; or MATH-120 or MATH-120SP; or assessment process; or equivalent</p> <p>Recommended: Concurrent enrollment in PHYS-111 and eligibility for ENGL-122 or equivalents</p> <p>Note: Students specifically interested in focusing on modern physics should take PHYS-113. Students who have successfully completed PHYS-112 should not enroll in PHYS-110. Students who have successfully completed PHYS-112 will not receive credit for PHYS-110.</p>	<p>Prerequisite: Placement into MATH-121 or higher or MATH-119 or MATH 119SP or intermediate algebra or equivalent</p> <p>Advisory: Concurrent enrollment in PHYS-111 and college-level reading and writing are expected or equivalents</p> <p>Note: Students specifically interested in focusing on modern physics should take PHYS-113. Students who have successfully completed PHYS-112 should not enroll in PHYS-110. Students who have successfully completed PHYS-112 will not receive credit for PHYS-110.</p>	
PHYS-112	Elementary Physics with Laboratory	<p>Prerequisite: Placement into MATH-121; or MATH-119 or MATH 119SP; or MATH-120 or MATH-120SP; or assessment process; or equivalent</p> <p>Note: Students specifically interested in focusing on modern physics should take PHYS-113. Students who have successfully completed PHYS-110 should not enroll in PHYS-112. Students who have successfully completed PHYS-110 will not receive credit for PHYS-112.</p>	<p>Prerequisite: Placement into MATH-121 or higher or MATH-119 or MATH 119SP or intermediate algebra or equivalent</p> <p>Note: Students specifically interested in focusing on modern physics should take PHYS-113. Students who have successfully completed PHYS-110 should not enroll in PHYS-112. Students who have successfully completed PHYS-110 will not receive credit for PHYS-112.</p>	
PHYS-113	Elementary Modern Physics: From Atoms to the Big Bang	<p>Prerequisite: Placement into MATH-121; or MATH-119 or MATH 119SP; or MATH-120 or MATH-120SP; or assessment process; or equivalent</p>	<p>Prerequisite: Placement into MATH-121 or higher or MATH-119 or MATH 119SP or intermediate algebra or equivalent</p>	<p>Done on T5 Revision.</p>

Course Name		Current Catalog	Recommended Changes for Curriculum Action FA22 Catalog	C-ID
PHYSC-112	Fundamentals of Physical Science	Prerequisite: Placement into MATH-121; or MATH-085 or MATH 085SP; or MATH-090 or MATH-090E or MATH-090SP or assessment process; or equivalent Recommended: Eligibility for ENGL-122 or equivalent	Prerequisite: Placement into MATH-121 or higher or MATH-085 or MATH 085SP or beginning algebra or equivalent Recommended: College-level reading and writing are expected.	Done on T5 Revision.
PSYCH-214	Introduction to Statistics for Psychology	Prerequisite: Placement into MATH-121; or MATH-119 or MATH 119SP; or MATH-120 or MATH-120SP; or assessment process; or equivalent	Prerequisite: Placement into MATH-121 or higher or MATH-119 or MATH 119SP or intermediate algebra or equivalent	Pending MATH 110