

Superintendent File: IGA-E-1

DCSD CONCURRENT ENROLLMENT COURSE OR PROGRAM PROPOSAL

*The Concurrent Enrollment Program proposal must be submitted to the Concurrent Enrollment Coordinator.
The Concurrent Education (CE) course/program proposal must include the following information:*

The requestor will need to complete sections:

- **SECTION I: CONTACT INFORMATION**
- **SECTION II: GENERAL CE INFORMATION**
- **SECTION III: CONCURRENT ENROLLMENT PROGRAM INFORMATION**
- **SECTION IV: CONCURRENT EDUCATION PROGRAM COURSE INFORMATION**

Academic Systems will facilitate the completion of the remaining sections.

SECTION I: CONTACT INFORMATION

Group(s) initiating this proposal: *(check all that apply):*

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Teachers | <input type="checkbox"/> Students |
| <input checked="" type="checkbox"/> Administrators | <input type="checkbox"/> Citizens |

School sponsoring this proposal:

Rock Canyon High School

Level of School:

- | | | |
|-------------------------------------|---------------------------------|--|
| <input type="checkbox"/> Elementary | <input type="checkbox"/> Middle | <input checked="" type="checkbox"/> High |
|-------------------------------------|---------------------------------|--|

Contact Information of the individual completing the course proposal:

Name:

Anna K Tesdahl

Phone Number:

303-319-5435

Email Address:

aktesdahl@dcsdk12.org

SECTION II: GENERAL CE INFORMATION

Name of the institution of Higher Education:

Arapahoe Community College (ACC)

This proposal is for a:

- Single Course
- Program (Multiple Courses)

If this is a Program Proposal, skip to [Section II](#).

If this is a single course, does it fit into an existing program?

Yes

No

If yes, what is the program name?

If this is a single course skip to [SECTION IV: Concurrent Education Program Course Information](#)

SECTION III: CONCURRENT ENROLLMENT PROGRAM INFORMATION

Name of CE Program:

Physics

A. Provide a brief overview of the Program

ACC - PHY1111

Covers the physics of mechanics and requires the application of classical physics to both mathematical and conceptual problems. Major topics include kinematics in one and two dimensions, Newton’s Laws, circular motion, work and energy, impulse and momentum, and rotational mechanics. This course may also include topics relating to simple harmonic motion and traveling and standing waves.

ACC - PHY1112

Covers the physics of electricity and magnetism and requires the application of classical physics to both mathematical and conceptual problems. DC circuits involving resistors, capacitors, and batteries will be covered. Also covered are electromagnetic waves and geometric optics. This course may also include topics relating to simple harmonic motion, traveling and standing waves, and AC circuits.

B. How does this CE Program fit into the overall educational program?

After Completing Biology & Chemistry students typically take a Physics Course. The options would be one of the following 4 Physics courses:

1. AP Physics 1&2 (for Honors students who have room in their schedule for a double block course that meets every day)
2. ACC PHY (for Honors Students who don't have room in their schedule for AP Physics 1&2 but still want the rigor of a college-level class with college credit if they meet the ACC Math requirement of SAT Math 620 or Accuplacer Math 280)
3. Honors Physics (for Honors Students who do not have room in their schedule for AP Physics 1&2 or do not meet the ACC Math requirement but still want the rigor of a college-level class)
4. Regular Physics

After Completing one of the above Physics course options students could move on to AP Physics C: Mechanics. (or ACC-PHY 2111/ACC-PHY 2112 if a school offers those courses)

C. What benefits would our students receive from this program?

These courses will enhance critical thinking, and problem-solving abilities, and provide real-world applications of Physics. Students will also have a supported introduction to college-level Physics before college which will allow students to see if engineering is a route they want to pursue.

Provide a flow chart or table that indicates the courses students would take within the program. For existing courses include the course number from IC and the course name as it appears in IC. For new courses write the course number and name in **GREEN** font color that is provided from the institution of higher learning.

*** Other courses maybe added or changed within the program, based upon the need of students or program modifications.*

Name of Program: **Physics**

Semester 1:	Semester 2:
<i>ACC-PHY 1111 - Physics: Algebra-Based I</i>	<i>ACC-PHY 1112 - Physics: Algebra-Based II</i>
Semester 3:	Semester 4:
ACC-PHY 2111 - Physics: Calculus-Based I	ACC-PHY 2112 - Physics: Calculus-Based II
AP Physics C: Mechanics (Fall Semester)	AP Physics C: Mechanics (Spring Semester)

SECTION IV: CONCURRENT EDUCATION PROGRAM COURSE INFORMATION

For all newly proposed courses, provide the following information from the institution of high education: Higher Education Course Number & Title, Higher Education Course Description, Amount of College Credit, Prerequisite(s), and Credit Type Earned

New Courses:

A. Higher Education Course Number & Title	ACC-PHY 1111, Physics: Algebra-Based I
B. Higher Education Course Description	Covers the physics of mechanics and requires application of classical physics to both mathematical and conceptual problems. Major topics include kinematics in one and two dimensions, Newton's Laws, circular motion, work and energy, impulse and momentum, and rotational mechanics. This course may also include topics relating to simple harmonic motion and traveling and standing waves.
C. Amount of College Credit	5 credits (1.0 DCSD Credit)
D. Prerequisite(s)	SAT Math 620 or Accuplacer Math 280
E. Credit Type Earned	PHY

A. Higher Education Course Number & Title	ACC-PHY 1112, Physics: Algebra-Based II
B. Higher Education Course Description	Covers the physics of electricity and magnetism and requires application of classical physics to both mathematical and conceptual problems. DC circuits involving resistors, capacitors, and batteries will be covered. Also covered are electromagnetic waves and geometric optics. This course may also include topics relating to simple harmonic motion, traveling and standing waves, and AC circuits.
C. Amount of College Credit	5 credits (1.0 DCSD Credit)
D. Prerequisite(s)	PHY 1111
E. Credit Type Earned	PHY

SECTION V: DCSD SYSTEM APPROVAL

At this stage of the process, the course proposal is submitted to the relevant stakeholders for final review. Approval is indicated by providing a signature and date.

A. Building Administrator:

Name: Andy Abner School: Rock Canyon HS
 Signature: Andy Abner Date: Sep 11 2024

B. Coordinator of Postsecondary Readiness:

Name: Aimee Barker
 Signature: Aimee Barker Date: Sep 12 2024

C. Director of Curriculum, Instruction, & Assessment:

Name: Erica Mason
 Signature: Erica Mason Date: Sep 12 2024

D. Executive Director of Schools:

Name: John Gutierrez
 Signature: John Gutierrez Date: Sep 13 2024

E. Learning Services Officer:

Name: Matt Reynolds
 Signature: Matt Reynolds Date: Sep 13 2024

F. Assistant Superintendent:

Name: Danny Winsor
 Signature: Danny Winsor Date: Sep 13 2024

SECTION VI: BOARD OF EDUCATION APPROVAL

This proposal has been submitted and thoroughly reviewed by DCSD Staff. It has been determined to meet all necessary criteria and is now ready for the Board's review and approval.

Does the DCSD Board of Education approve the adoption of the proposed course/program?

- Yes No

BOE President Signature: _____

Date of BOE Meeting: _____

Section VII: ACADEMIC SYSTEMS COURSE BUILD

This section is utilized by the Academic Systems Team to build the course within Infinite Campus (IC). Once the process is complete, both the requestor and the building principal will be notified. Additionally, the appropriate contacts at each school will be informed of the new course offering.

Office use	Input	Entered by:
Credit type(s): (<i>Fine Art, Science, Practical Arts, etc.</i>)	SCI	
Department Code:	SCI	
Course Number:	690108 / 690109	
Date entered in Infinite Campus database:		
Course Mapping SCED Code:	03 152	
Course entered in NCAA database (if applicable):	Needed	
Lock Program ID VIP code:	N/A	
Lock VE CIP code:	N/A	
Add to HEAR list Yes or No	Yes	

Document Details

Title	IGA-E-1 District Concurrent Enrollment Program Proposal_ PHY 1111_1112.docx.pdf
File Name	IGA-E-1 District Concurrent Enrollment Program Proposal_ PHY 1111_1112.docx.pdf
Document ID	7edcacbbd47c47e39347f58002cb2504
Fingerprint	e591c285bd0907a9293f1d2e5266bc00
Status	Completed

Document History

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