

ACE STUDENT MANUAL



In order to be recognized as an ACE graduate, you must complete certain requirements and have your final contract signed upon completion. Any ACE teacher can certify that you have completed the requirements for ACE. Basically this means to do a public project and complete course recommendations for your pathway within ACE.

The levels of recognition within ACE at graduation are based on the following criteria:

Coursework:

You must complete the courses listed on the ACE Aeries page for your pathway. If you are doing a custom pathway without a defined course sequence (such as Auto Tech, for example) you would need to have an ACE Teacher sign off on the courses you completed and plan to take to make sure you meet a rigorous course schedule. Verify you have done everything in the pathway list shown below. Please note: this is not a comprehensive list. See the course requirements lists on the ACE web site www.dvACEacademy.com for more information.

Year	Bio Medical Technology	Robotics	Visual Art (5 semesters)	Transportation**	General Studies/ Custom Pathway
9-12	HS graduation requirements	HS graduation requirements	HS graduation requirements	HS graduation requirements	HS graduation requirements
9-12	a-g requirements	a-g requirements	a-g requirements	a-g requirements	a-g requirements
9-12	One AP class	included	one AP Class	CP or AP Physics	one AP Class
9	Principles of Biomed Sciences		*Fundamental visual art		*As specified by advisor
10	Human Body Systems		*Draw with Ease/ Intro to Cartooning		*As specified by advisor
11	Medical Interventions	Physics (CP or AP) Intro to Robotics	* Ceramics, Painting or Advanced Cartooning	Auto Tech 1	AP Seminar** or *As specified by advisor
12	BioMedical Innovations	AP Computer Science Robotics II	*Independent Art or Advanced Ceramics	Auto Tech 2	Astro/Physics Research AP Research** or *As specified by advisor
10-12	Public Project	Public Project (Engineering in Science Fair, FRC)	Public Project (Show or Portfolio review)	ACE Showcase	Public Project (Science Fair or ACE Showcase)

** Under Development

* Many other combinations are possible. Consult with your advisor.

ACE STUDENT MANUAL



Graduation and Recognition Eligibility Form

Name: _____ Year of graduation: 2019 2020 2021 2022

Graduation Status

I am eligible for or working towards _____ ACE recognition _____ ACE with HONORS

I will be ordering a stole: _____ (You will need to pay for stoles this year. Cost approx. \$15)

ACE Graduation Status Desired	UC/CSU eligibility	Pathway classes completed	Public Project	AP Classes	Graduation recognition
ACE with Honors	Required	Required	2 minimum	Pass ONE	Yes
ACE	Required*	Required*	1 minimum	Recommended	Yes

Pathway name:

____ BioTech ____ Visual Art ____ Transportation (Auto Tech) ____ Robotics

____ General Studies specializing in _____

(leave blank if no area of specialization)

Pathway Course Requirement

List courses you completed in your pathway below. See the first page for a list.

a-g Requirement: Check here if you have completed your a-g requirements: _____
(We will verify for Honors eligibility.)

AP requirement: One course must be AP level. You have to pass the course. Course name:

Public Project:

REQUIRED. You must complete at least one publicly presented project. This can be a science fair project, an ACE Showcase project, a JHSH Presentation, FIRST robotics, Think Tanks, a showing at a gallery, or other appropriate venue. You need TWO projects to get ACE with Honors recognition.

Describe your project(s):

Where were your project(s) presented: _____

If you won any awards or recognition from anyone for this project (not required) please list it below: _____

Project Advisor's name/Signature: _____

(This signature indicates you are eligible for the ACE recognition at graduation. REQUIRED.)

*An ACE Teacher can grant exceptions to these requirements marked with an asterisk * if students show outstanding dedication to their ACE work.

ACE STUDENT MANUAL

Purpose

The purpose of ACE academy is to prepare you for college or other future career plans, and to help you to become an expert, as much as possible, in your chosen topic. The idea behind ACE is that you should have a plan. This plan, theoretically, should start when you are a freshman. You can work with any ACE teacher on your academic plan and project; you can change teachers, or have more than one advisor. If you don't know to whom to talk to, you can always see the lead teacher, Mr. Adkins.

Pick a Pathway and Advisor

When you join ACE we ask that you pick a pathway. This choice should happen your freshman year, but you can change pathways without leaving the academy. Please inform your advisor and counselor if you want to change pathways. All ACE students should have a teacher advisor to check in with during your time in ACE.

The pathways in ACE (as of Spring 2019) are:

BioMed: 4 year course sequence in BioMedical Research sponsored by Project Lead the Way

Robotics: 2 year course sequence in Robotics and plenty of after-school enrichment activities

Visual Art: 5 semester minimum sequence in drawing, painting, sculpture

General Studies: Design your own academy with your advisor, including English, Astronomy, etc.

Take Courses

Some courses you take are designed for ACE (such as BioMed classes) and others are courses that other people can take too (such as Calculus.) During your freshman and sophomore years you usually have to take a lot of required classes. During your junior and senior years you have more choices and will take specialized classes. We provide some guidance on what to take through the counseling office and on our website www.dvACEacademy.com.

Meet your A-G requirements

ACE Students are expected to complete the UC/CSU a-g requirements for admission to college.

Take AP classes

ACE Students are expected to take and pass at least 1 AP or dual-credit class prior to graduation. We encourage you to attempt to pass 2 or more AP classes with a 3 or higher.

Do a project

In order to see you apply what you have learned to what you are interested in, we ask that you do at least one public project before you graduate. This project can be an art exhibit, a science fair project, a film produced for DTV, participation in the FIRST robotics competition, and many others. We also encourage you to show off your work at the end-of-year ACE Showcase every year in May, whether or not you are a senior.