

CATE Technology Education DAP

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies 3.5 Credits Economics .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1[*],^{**}	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education 1.5 Credits Health Education .5 credits Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Health (.5) PE (.5)	PE		
	Technology Systems^{***}	Fine Arts	Communication Applications (.5)	
Credits per Year 24 credits minimum	__ credits	__ credits	__ credits	__ credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

**CATE Technology Education
DAP
Architectural / Construction Careers**

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies Economics 3.5 Credits .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education Health Education 1.5 Credits .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts	Communication Applications (.5)	
		Construction Systems	Architectural Construction	Electricity / Electronics Technology* Research, Design and Development
Credits per Year	7 credits	7 credits	6.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

CATE Technology Education DAP

Arts, Audio, Video Technology and Communications Careers

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies Economics 3.5 Credits .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education Health Education 1.5 Credits .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts Elective Courses 1 Credit 2.5 credits	Technology Systems***	Fine Arts	Communication Applications (.5)	
		Communication Systems	Communications Graphics***	Computer Multimedia and Animation Technology*, *** Electricity / Electronics Technology*
Credits per Year	7 credits	7 credits	6.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

**CATE Technology Education
DAP
Computer Aided Design and Drafting**

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies 3.5 Credits Economics .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education 1.5 Credits Health Education .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts	Communication Applications (.5)	
		Communication Graphics***	Architectural Graphics	Engineering Graphics Research, Design and Development
Credits per Year	7 credits	7 credits	6.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

**CATE Technology Education
DAP
Electrical Engineering Careers**

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math elective
Social Studies 3.5 Credits Economics .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education 1.5 Credits Health Education .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts	Communication Applications (.5)	
		Energy, Power and Transportation Systems	Electricity / Electronics Technology*	Problems and Solutions in Technology
Credits per Year	7 credits	7 credits	6.5 credits	6 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

**CATE Technology Education
DAP
Manufacturing Careers**

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies 3.5 Credits Economics .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education 1.5 Credits Health Education .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts	Communication Applications (.5)	
		Manufacturing Systems	Manufacturing Technology	Engineering Graphics Problems and Solutions in Technology
Credits per Year	7 credits	7 credits	6.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

**CATE Technology Education
DAP
Project Lead the Way Sequence**

Discipline required credits	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies 3.5 Credits Economics .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education 1.5 Credits Health Education .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits		Fine Arts	Communication Applications (.5)	
	Engineering Graphics	Engineering Principles	Electricity / Electronics*	Computer Applications*,**,*** Research, Design and Development
Credits per Year	7 credits	7 credits	6.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

CATE Technology Education DAP

Scientific Research, Engineering and Technical Service Careers

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies Economics 3.5 Credits .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education Health Education 1.5 Credits .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit		Fine Arts	Communication Applications (.5)	
Speech .5 credit				Electricity / Electronics Technology*
Fine Arts 1 Credit	Engineering Principles	Computer Applications*,**,***	Engineering Graphics	
Elective Courses 2.5 credits				Research, Design and Development
Credits per Year	7 credits	7 credits	6.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

**CATE Technology Education
DAP
Computer Systems Analyst**

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies Economics 3.5 Credits .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education Health Education 1.5 Credits .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts		
		Communications Applications (.5)		
			Computer Applications*,**,*** Electricity / Electronics Technology*	Computer Multimedia and Animation Technology*,*** Research, Design and Development
Credits per Year	7 credits	6.5 credits	7 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

CATE Technology Education DAP

Teacher, Secondary Technology Education

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies Economics 3.5 Credits .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education Health Education 1.5 Credits .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts	Communication Applications (.5)	
	Communication Systems	Energy, Power, and Transportation Systems	Engineering Graphics Architectural Graphics	Manufacturing Systems Computer Multimedia and Animation Technology* , ***
Credits per Year	8 credits	7 credits	7.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

CATE Technology Education DAP Tech Prep

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies Economics 3.5 Credits .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1		LOTE 2	LOTE 3
Physical Education Health Education 1.5 Credits .5 credits	Health (.5) PE (.5)	PE		
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts	Communication Applications (.5)	
		Computer Applications*,**,***	Computer Multimedia and Animation Technology*,***	Electricity / Electronics Technology* Research, Design and Development
Credits per Year	7 credits	7 credits	6.5 credits	7 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)

CATE Technology Education DAP

Transportation, Distribution and Logistics Services

Discipline	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts / Reading 4 credits	English 1	English 2	English 3	English 4
Mathematics 3 credits	Algebra 1	Geometry	Algebra 2	Math Elective
Social Studies Economics 3.5 Credits .5 credits	World Geography	World History	U.S. History	Government (.5) Economics (.5)
Science 3 credits	Biology	Principles of Technology 1*,**	Chemistry	Science Elective
Languages other than English 3 credits	LOTE 1	LOTE 2	LOTE 3	
Physical Education Health Education 1.5 Credits .5 credits	Health (.5) PE (.5)		PE	
Technology Applications 1 Credit Speech .5 credit Fine Arts 1 Credit Elective Courses 2.5 credits	Technology Systems***	Fine Arts		Communication Applications (.5)
		Energy, Power and Transportation Technology	Manufacturing Systems	Manufacturing Technology Problems and Solutions in Technology
Credits per Year	7 credits	7 credits	7 credits	6.5 credits

*Eligible for statewide-articulated credit if taken at the junior or senior level and with a grade of 80 (3.0) or higher.

**Satisfies requirement for a DAP advanced measure with a grade of 3.0 or higher.

***Satisfies requirement for Technology Applications credit if taught in a Modular Computer Laboratory-Based environment (85% rule applies)