

2017 AEST PROGRAM MODEL

REQUIRED INTRODUCTORY COURSE

• AEST Concepts of Agriscience

- 1 Science Credit/Carnegie Unit
- 8th/9th/10th Grade
- MS-CPAS2* (100-question multiple-choice test)

LEVEL I COURSES

- Two ½ Credit/½ Carnegie Unit Courses
- 9th-12th grade
- Prerequisite to a Level-II course
- No MS-CPAS2
- AEST Science of Agricultural Animals Level I
- AEST Science of Agricultural Environment Level I
- AEST Science of Agricultural Plants Level I
- AEST Science of Agricultural Mechanization Level I
- AEST Science of Agribusiness Level I

LEVEL II COURSES

- 1 Credit/Carnegie Unit Course
- 10th-12th grade
- 50-Question MS-CPAS2* test + Performance-Based Assessment in each course
- AEST Science of Agricultural Animals Level II
- AEST Science of Agricultural Environment Level II
- AEST Science of Agricultural Plants Level II
- AEST Science of Agricultural Mechanization Level II
- AEST Science of Agribusiness Level II

*These assessments are subject to change based on funding and policy changes/updates.

2017 AEST SAMPLE SCHEDULES

EXAMPLE 1

STUDENT NAME JOHN DOE		SCHEDULE TYPE <input type="checkbox"/> Block <input checked="" type="checkbox"/> Regular (7-period day)	
GRADE		AEST COURSE	
9th Grade		Concepts of Agriscience* MS-CPAS2	
10th Grade			
1st Semester		Science of Agricultural Plants I	
2nd Semester		Science of Agricultural Animals I*	
11th Grade		Science of Agricultural Animals II* MS-CPAS2 + PBA	
12th Grade		OPTION TO TAKE ANY OTHER COURSE OFFERED IN THE AEST PROGRAM	
* COMPLETED PATHWAY			

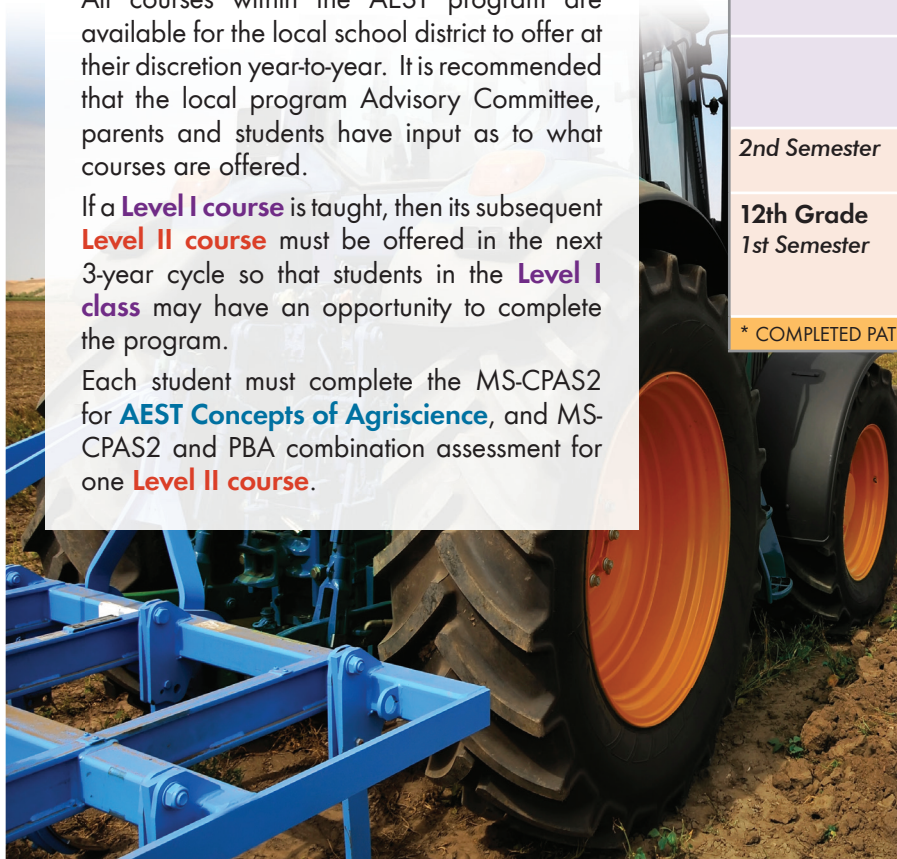
All courses within the AEST program are available for the local school district to offer at their discretion year-to-year. It is recommended that the local program Advisory Committee, parents and students have input as to what courses are offered.

If a **Level I course** is taught, then its subsequent **Level II course** must be offered in the next 3-year cycle so that students in the **Level I class** may have an opportunity to complete the program.

Each student must complete the MS-CPAS2 for **AEST Concepts of Agriscience**, and MS-CPAS2 and PBA combination assessment for one **Level II course**.

EXAMPLE 2

STUDENT NAME JANE DOE		SCHEDULE TYPE <input checked="" type="checkbox"/> Block <input type="checkbox"/> Regular (7-period day)	
GRADE	AEST COURSE		
9th Grade 1st Semester	Concepts of Agriscience* MS-CPAS2		
2nd Semester	1st Nine Weeks Science of Agricultural Plants I*		
2nd Semester	2nd Nine Weeks Science of Agricultural Animals I*		
10th Grade 1st Semester	Science of Agricultural Animals II* MS-CPAS2 + PBA		
2nd Semester	Science of Agricultural Plants II		
11th Grade 1st Semester	1st Nine Weeks Science of Agribusiness I (OPTIONAL)		
	2nd Nine Weeks Ag Mechanization I (OPTIONAL)		
2nd Semester	Science of Agribusiness II (OPTIONAL)		
12th Grade 1st Semester	Science of Agricultural Mechanization II (OPTIONAL)		
* COMPLETED PATHWAY			



2017 AEST SCIENCE CREDIT OPTION

AEST Concepts of Agriscience 1 Science Credit

Then, an additional science credit may be earned **IF** a student successfully completes one of the following course combinations:

Option A

AEST Science of Agricultural Animals I ½ Credit, Level I

Any additional Level I, ½ Credit Course

AEST Science of Agricultural Animals II One Credit, Level II

Option B

AEST Science of Agricultural Plants I ½ Credit, Level I

Any additional Level I, ½ Credit Course

AEST Science of Agricultural Plants II One Credit, Level II

Option C

AEST Science of Agricultural Environment I ½ Credit, Level I

Any additional Level I, ½ Credit Course

AEST Science of Agricultural Environment II One Credit, Level II

2017 AEST PROGRAM COMPLETION

In order for a student to be a **PROGRAM COMPLETER** of the AEST Program, a number of course combination options are available. A combination of courses that equals 3 Carnegie Units and their accompanying MS-CPAS2 and Performance-Based Assessment (PBA) must be successfully completed by the student for **AEST Concepts of Agriscience**, **two Level I courses**, and **one Level II course** that must be of the same pathway as one of the **Level I courses**.

Introductory Required Course	MS-CPAS2	One Science Credit/ Carnegie Unit
Level I Courses		Two - ½ Credit Courses/ ½ Carnegie Units
Level II Course	MS-CPAS2 + PBA	One 1-Credit/ Carnegie Unit
Program Completion	Three Carnegie Units	

2017 AEST Program Updates

**Agriculture and
Environmental Science
and Technology**



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