

# HOW CAN A CSA STUDENT EARN EACH ENDORSEMENT?

## STEM

By taking a total of 5 credits by math by successfully completing:

**Algebra I**  
**Geometry**  
**Algebra II**  
**PreCalculus**  
**Calculus AB (AP)**

**OR**

By taking a total of 5 credits by science by successfully completing Biology & Chemistry and a combo of 3 of the last 4:

**Biology**  
**Chemistry**

THREE OF THESE:  
**Physics**  
**Physics 1 (AP)**  
**Physics 2 (AP)**  
**Environmental Systems**

## BUSINESS & INDUSTRY

By taking a coherent sequence of 4 courses in either the Arts, Audio/Video Technology & Communications **OR** Information Technology career cluster

**PAAVTC**  
**Graphic Design & Illustration**  
**Advanced Graphic Design & Illustration**  
**Practicum in Graphic Design & Illustration**

*OR*

**PIT**  
**Computer Programming**  
**Advanced Computer Programming**  
**Research in IT Solutions**

## PUBLIC SERVICES

By taking a coherent sequence of 4 courses in the Human Services cluster

**PHS**  
**Interpersonal Studies**  
**Counseling & Mental Health**  
**Practicum in Human Services**

## ARTS & HUMANITIES

By taking 4 years of Spanish

**Spanish I**  
**Spanish II**  
**Spanish III**  
**Spanish IV (AP)**

## MULTI-DISCIPLINARY

By successfully completing 4 years in each English, Math, Science and Social Studies (to include English IV, Chemistry and/or Physics)

**OR**

By successfully completing 4 AP courses

**World History (AP)**  
**US History (AP)**  
**English III (AP)**  
**English IV (AP)**  
**Calculus AB (AP)**  
**Spanish IV (AP)**  
**Spanish V (AP)**  
**Physics 1 (AP)**  
**Physics 2 (AP)**