ANDERSON SCHOLARS PROGRAM
Science Concentration

To earn the designation as an Anderson Scholar in science, a student must complete the following during the course of their high school career.

1. Application Process
   • Submit a thorough and thoughtfully completed application by the announced deadline
   • Complete an interview with the science faculty advisors
   • Earn a minimum 3.2 GPA during the first semester, freshman year. Exceptions to this requirement may be made based on evaluation of your application.
   • Obtain Anderson Scholar Candidate status based on the quality of your application and evaluation

2. Curricular Requirements
   • Complete four year sequence in science that includes at least two AP or elective science courses
   • Complete non-science electives that relate to research interest such as woodworking, CAD, engineering (TBD with ASP faculty advisors)
   • Although not required, students are encouraged to take some form of Statistics or Biological Research to help with data analysis.
   • Maintain a B average in all science and elective courses (based on year grade)

3. Extracurricular Requirements
   • Attend all Science Scholar meetings and field trips once candidate status is obtained
   • Attend all lunchtime science lunch seminars
   • Actively participate in one or more of the following during two consecutive seasons of freshman or sophomore year
     o Science Olympiad (weekly commitment; available fall and winter)
     o US Research participant (weekly commitment; available fall, winter, or spring)
     o Rocketry Club (weekly commitment: available fall and winter)
     o Tech Cup Competition (weekly commitment: available fall)

4. Research Requirement
   • Attend all seminars as part of the Basics of Science Inquiry Workshop (complete as a rising sophomore; 10 days over the summer)
   • Develop a hypothesis driven research project during the first semester of sophomore year
   • Apply for and be accepted as a Strnad Fellow in Creativity during the second semester of sophomore year
   • Conduct your research project throughout your junior and senior year
   • Present your project proposal at the US Research Science Symposium sophomore year
   • Present at one professional off-campus conference during either your junior or senior years
5. External Validation by one or more of the following means
   • Award winner at NEOSEF (grand prize, 1st, 2nd, or 3rd place)
   • Semi-finalist or finalist in a national science competition such as Intel STS
   • Mid-project oral defense to an external expert in the field during junior year
   • Selected as presenter at a state, regional, or national conference
   • Publication of an article in a scientific journal

6. Culminating requirements
   • Attend and share your research with the science scholars, parents, and distinguished guests at the ASP in Science Banquet in May of your senior year
   • Present your research to the school community at the Strnad Fellowship Assembly in May of your senior year
   • Complete a formal written research “manuscript” report of your research to be turned into your ASP advisor