



ENGINEERING DISTINCTION REQUIREMENTS

The Flathead High School Engineering Distinction acknowledges graduating seniors who complete a course of study with an engineering focus. To be eligible for this distinction, the student must complete all requirements outlined below. Students earning this distinction are eligible to wear a navy blue color cord at graduation.

To apply for Engineering Distinction, students must meet the following requirements:

1. Successful completion of 2 credits of CTE courses including Technology Education or Computer Science (Intro to CS, CS and software, CS application) or Drafting/CAD, 4 credits of math and 4 credits of science including IB Physics I.
2. Cumulative GPA of 3.2.
3. Contribute to the Engineering Community by participating in one or a combination of the following:
 - **Science club** including two local science fairs and/or regular club attendance and presentations
 - **Business Professional of America (BPA)** competing in two state competitions in computer related events
 - Three state **Math competitions** with achievement beyond participation
 - [Western Aerospace Scholars Program](#) (WASP) – summer experience in MT
 - **Engineering related internship** with a minimum of 30 documented hours
4. Submit the Engineering Distinction Application, including a transcript, which shows the student has met the requirements by the announced spring deadline.



English	4.0
Social Science	2.5
Math	4.0
Science including IB Physics I	4.0
Fine Arts (Art, Drama, Music)	1.0
0.5 credits Health / 1.0 credits PE	1.5
Career and Technical Education (Computer Science, Tech Ed, or Drafting/CAD)	2.0
A.C.E. 1 / College and Career Readiness	0.5
A.C.E. 2 / Personal Finance	0.5
General Electives	2.0
TOTAL	22.0



Application for Engineering Distinction

Student name: _____

Graduation Year: _____

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Criteria for distinction: Place an "X" in the blank provided.

_____ Required courses have been completed.

- ▶ List the 2 credits of Career and Technical Education courses taken in computer science, Tech Ed, or Drafting/CAD (semester courses = 0.5 credit):

- 1.
- 2.
- 3.
- 4.

- ▶ List the 4 credits of Science courses taken, including IB Physics:

- 1.
- 2.
- 3.
- 4.

- ▶ List the 4 credits of Math courses taken.

- 1.
- 2.
- 3.
- 4.

_____ Engineering Community log is attached detailing participation in science club, BPA, math competitions, Western Aerospace Scholars Program, and/or engineering internship. Log must include dates, times, locations, and descriptions of events.

_____ Transcript attached

_____ Science Department Leader Signature _____

Mrs. Johnson – Room 234

- ✦ **Return application (coversheet) and any accompanying documents to Mrs. Johnson in Room 234 by the announced deadline.**
- ✦ **No late or incomplete applications will be accepted.**

Documented Participation in Engineering Community:

Science Club • BPA • Math Competitions • WASP



Student name: _____

► Date _____ Activity _____ Hours participated: _____

Description: _____

Sponsor Signature: _____

► Date _____ Activity _____ Hours participated: _____

Description: _____

Sponsor Signature: _____

► Date _____ Activity _____ Hours participated: _____

Description: _____

Sponsor Signature: _____

Attach additional pages as needed.

Documented Participation in Engineering Community:

Engineering Internship (minimum of 30 documented hours)



Student Name:	
School Name: Flathead High School	Date Range:
Internship Supervisor/Contact:	
Location Address:	

A FORMAL REFLECTION MUST BE WRITTEN AFTER EACH SESSION AND SUBMITTED WITH THE APPLICATION TO QUALIFY FOR DISTINCTION.

Date	Time In	Time Out	Description of Duties	Supervisor Initials

Attach additional pages as needed.

Science Teacher Approval: _____

Accepted for Distinction? YES or NO