



## Engineering Distinction Requirements

### Flathead High School

Engineering Distinction acknowledges graduating seniors that complete a course of study emphasizing 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, four credits of math and four 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 science fairs and/or two Science Olympiads and regular club attendance.
  - DECA and/or BPA competing in two state competitions in computer related events.
  - Three state Math competitions with achievement beyond participation.
  - Engineering related internship with a minimum of 30 documented hours. The internship can be paid or volunteer and must be done outside of school hours.
4. Submit an application, including a transcript, which shows the student has met the requirements.

English	4.0
Social Science	2.5
Math	4.0
Science including IB Physics I	4.0
Fine Arts (Art, Drama, Music)	1.0
.5 credits Health / 1.0 credits PE	1.5
Career and Technical Education (Computer Science, Tech Ed, or Drafting/CAD)	2.0
College and Career Readiness	.5
Personal Finance	.5
General Electives	2.0
<b>TOTAL</b>	<b>22.0</b>



# Engineering Distinction Application

## Flathead High School



Student name: \_\_\_\_\_

List two credits of Career and Technical Education courses taken in computer science, Tech Ed, or Drafting/CAD (remember semester courses are a half credit):

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

List four credits of Science courses taken including IB Physics I:

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

List four credits of Math courses taken:

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

In addition please complete the participation log to outline club or internship activities. Be specific and detailed in logging your activities.

Science Department Leader Signature \_\_\_\_\_

Please attach a transcript and return to Mrs. Johnson in room 234 by the announced deadline. No late or incomplete applications will be accepted.



**Documented Participation in Engineering Community:**



**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.

