

## **Can I do a Computer Science minor with a Cog Sci major?**

Yes, but you need to be careful because of the rule that a major and a minor can only overlap one course.

## **How does that work if I do the B.A. in Cog Sci?**

There are a few issues, as follows:

You need to take CSE 003 & 004 or CSE 007 for both the major and the minor. If you have sufficient background to take CSE 007 (see separate post on that), then you can take it and count that as your one overlap.

If you are not prepared for CSE 007, then there's the fact that CSE 003 & 004 would be two overlaps, which is not allowed. The Program Director can try submitting a Degree Program Exception Approval Petition (available at <https://cas.lehigh.edu/content/forms-central>) to waive the requirement for CSE 004 in the major on the argument that you are getting sufficient programming experience through your minor. If that doesn't fly with the Registrar, the other option is to use the same form to do a course substitution for the major - you'll take some additional course with Cog Sci content approved by the Program Director in place of CSE 004. It need not be a programming course or even a CSE course, as long as it is relevant to your training in Cog Sci. (You'll still actually be taking CSE 004 but it will be counted in the minor.)

You need to take CSE 127 or 327 as a core course, so you cannot use either of these as one of your electives in the minor.

You need to be sure that any other CSE courses you are planning to use for the major will not be part of your minor. For instance, if you take a CSE course for the AI and Formal Models requirement, you can't use that course in the minor. (You can use PHIL/MATH 114 or other MATH courses in the electives list for this requirement in order to save CSE courses for the minor if you want.)

## **How does that work if I do the B.S. in Cog Sci?**

The same issues as for the B.A. apply - see above.

In addition, for the B.S. you are required to take CSE 160 as a collateral, so you can't count that as one of your minor courses.

Also, be aware that choosing the AI and Formal Models as your concentration makes the minor difficult to complete since none of the CSE courses you'll take for this concentration can count toward the minor. But if you're gearing your major toward AI, do you really need a CSE minor? You'll already have plenty of CSE on your record. It is better to choose a different concentration

if you really want the minor, or do the AI and Formal Models concentration and skip the minor (or minor in something else).