



Description of STA Minor

The official description of our minor is shown below. Notice that there are two Tracks:

Track A

STA 291 (3 hours)
STA 295 (3 hours)
STA 322 (4 hours)
STA 422 (4 hours)

Track B

STA 320 (3 hours)
STA 321 (3 hours)
STA 322 (4 hours)
STA 422 (4 hours)

Plus 1 relevant course from the student's area of study (3 hours)

Both of these Tracks try to distribute material across inference (291 or 321), probability (295 or 320), nonparametrics and sampling (322) and regression topics (422).

We designed the minor in the mid-1990's and we have not been able to offer 295, 322 or 422 in recent years owing to budget difficulties within the College that prohibit classes with very small enrollments. So we typically use some of our graduate service courses as substitutes. Now don't be alarmed. Our graduate service courses require only good sense, a willingness to work hard, and a college algebra background. They **are not** mathematically intense classes. They do provide a really excellent exposure to practical statistical analysis and statistical software. Employers love both.

Here is what the DUS will typically recommend:

- **STA 291 or STA 321 for the inference – 3 credits**
- **STA 281, STA 320 or STA 525 for the probability – 3 credits**
- **STA 570 for some of the nonparametrics, sampling, basic methods (322)**
- **STA 671/672 for the regression (422) and more – 4 credits (2 each)**
- **Your outside course (as approved by STA DUS) – 3 credits**

This usually works well. You will need a form from the graduate school to register for any of the 67X courses but this is not a difficult process at all. Also, you need permission of instructor, but these are well-worn paths and are pretty easily navigated. See below for details on how to navigate the graduate school part of this process.

We would just make this the new minor officially, since we believe the exposure you get through these substitute classes is really excellent, but we are not allowed to owing to some archaic rules about using graduate classes for a dual purpose. It works for us though, is readily accepted by the College and the Graduate School as long as we treat the courses as exceptions.

The proper procedure for any undergraduate student to enroll in a Graduate Level course is as follows:

1. Obtain the form entitled "Undergraduate Enrollment in a Graduate-Level Course" located at: <http://www.research.uky.edu/gs/Forms/PetitionUndergradGradCourse.pdf>
2. Fill out the form completely and obtain ALL signatures asked for.
3. Under "Reason For Request" a short explanation will do. However, they will want a little more than "looks like fun" or "cause I want to". You would naturally use "course is being used as a substitute course for the minor in statistics."
4. Bring the form to Room 202 of the Gillis Building and give it to Mary Richardson.
5. When the request has been approved, Mrs. Richardson will enroll the student in the course and send him/her an email notification.

The procedure can take a few days, depending on our workload, so the student shouldn't freak out if it doesn't happen right away. These requests must be made before the start of the semester when enrollment is requested.