

BCCE Abstract for Oral Presentation
in symposium entitled: From Student to Practitioner.

What has happened to a student who now is called a Ph.D. chemist?
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A student enters graduate school. Somewhere between four and seven years later he or she becomes "certified" as a Ph.D. chemist. What has happened to graduate students in chemistry? How has their thinking changed? What changes their thinking? What have they learned? These are questions we have studied in a laboratory doing organic synthetic research. My research group has studied them for several years. This organic synthesis group at a Research I University has approximately 15 members. Our findings may provide insight as to the peculiar nature of a cognitive apprenticeship to learning as opposed to the learning done as part of a course.