

**From:** [Oldroyd, Shelby Q.](#)  
**To:** [Thomas, Christine M.](#)  
**Cc:** [Vaessin, Harald](#); [Vankeerbergen, Bernadette](#); [Haddad, Deborah](#); [Ramirez, Ana](#)  
**Subject:** Advanced Chemistry Knowledge for Educators Certificate and Chemistry 5786, 5787, 5788, and 5789  
**Date:** Wednesday, December 11, 2019 4:41:00 PM

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Dear Professor Thomas,

On Monday, December 2, the Natural and Mathematical Sciences Panel of the ASC Curriculum Committee reviewed a proposal for the Advanced Chemistry Knowledge for Educators Certificate and Chemistry 5786, 5787, 5788, and 5789.

The Panel unanimously approved the requests with one contingency and two recommendations:

- Contingency: Include a more detailed assessment plan for the certificate. The current assessment plan lacks specificity and does not seem to match the course assignments. For example, it is stated that Goal 2 will be assessed using exams, but there are not any exams in the four required courses.
- Recommendation: Consider how to format pre-requisites for all four courses. The Panel recommends a pre-requisite of "enrollment in Advanced Chemistry Knowledge for Educators certificate" rather than requiring an undergraduate degree in chemistry or biochemistry.
- Recommendation: The Panel recommends changing the courses to the 6000-level, since students in the program will not be undergraduate students. Having the courses at the 5000-level could result in unforeseen issues, such as the unintentional enrollment of undergraduate students.

I will return the Advanced Chemistry Knowledge for Educators Certificate and Chemistry 5786, 5787, 5788, and 5789 to the department queue via curriculum.osu.edu in order to address the Panel's requests.

Should you have any questions about the feedback of the Panel, please feel free to contact Harald Vaessin (faculty Chair of the NMS Panel; cc'd on this e-mail), or me.

Best wishes,  
Shelby

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