

AMCS Assessment of learning outcomes, May 2022.

Please complete this form and return it by email to [laurent-jay@uiowa.edu](mailto:laurent-jay@uiowa.edu) by May 31st, 2022. Please take the time to respond as thoroughly and precisely as possible. If you have not achieved anything in one of the areas, please do not make up anything. This survey will be used globally to assess the learning outcomes of the AMCS Program by the Graduate College, not individually against anyone. So just be honest in your answers. Please also explain/justify your answers, do not answer just by a yes or no. There is no space/page limit.

First name:

Last name:

Years in the AMCS Program:

1. Do you feel proficient in computer programming/scientific computing?
2. Have you improved your programming skills while in the AMCS Program? If yes explain how.
3. Is there any application area outside mathematics where you have excellent knowledge? If yes in which area(s)?
4. Have you been able to apply your mathematical problem-solving skills? If yes explain how.
5. Do you feel proficient in core applied mathematics subjects? If not in which areas do you intend to improve?

6. Do you feel that you have a sufficiently broad knowledge in "pure" mathematics? If not in which areas do you intend to improve?
7. Are you able to communicate knowledge and research work to various audiences?
8. Have you been able to improve on your communication skills? If yes explain how. You can also refer to your ACE forms.
9. Do you think that you are able to carry research/work independently at a professional level?
10. Have you been active in research? If yes explain how. Give a list of publications, articles in progress, conference presentations, seminar presentations, etc.
11. Would you like to add anything?