



THE OHIO STATE UNIVERSITY

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Chair, Arts and Sciences Curriculum Committee

November 14, 2023

Dear Chair and Members of the Arts and Sciences Curriculum Committee:

On September 14, 2023, the Natural and Mathematical Sciences Subcommittee reviewed a proposal from the Department of Physics for a Computational Physics Certificate starting in Autumn 2024. The proposed certificate is an embedded undergraduate academic certificate, type 1b.

The department's rationale for the proposed certificate reflects student interest in computation and software development. The certificate is intended to demonstrate to future employers that students with the certificate have skills in modeling physical systems.

The proposed certificate includes a minimum of 12 credit hours including required coursework in big data analytics and computational physics. Concurrence was obtained from the Department of Electrical and Computer Engineering and the Department of Statistics. Concurrence was requested from the Department of Computer Science and Engineering; as no response was received within 2 weeks, concurrence is assumed.

The NMS Subcommittee voted unanimously to approve the request with three contingencies and one recommendation. A revised submission addressing these contingencies and recommendation was reviewed and approved by Ian Hamilton, Chair of the Natural and Mathematical Sciences Subcommittee, on November 7, 2023. The proposal is now advanced to the ASCC with a motion to approve.

Sincerely,

Ian Hamilton
Professor
Department of Evolution, Ecology, and Organismal Biology
Department of Mathematics
Chair, ASCC Natural and Mathematical Sciences Subcommittee