

**Completion Review Form - Graduate Certificate in Computational Modeling
Computational Mathematics, Science & Engineering**

Name: _____ PID: _____

MSU Email: _____ Primary Department: _____

Program Code/Name: **#8086 / Computational Modeling Graduate Certificate**

For Graduate Certificate Requirements, please see: <https://cmse.msu.edu/academics/graduate-program/grad-certificates/computational-modeling/>

Proof of Course Completion: In the table below, please indicate that you have a minimum of 9 credits of coursework and list the semester in which you successfully passed each course. Attach a printout from student account or unofficial transcript to this form that shows completion of the required courses with grades of 2.0 or higher. *Conferral of this credential requires a cumulative GPA of 3.0 in the three required courses.* Upon verification that all requirements have been met, the program code will be marked as conferred on your student record. (This certificate can be conferred prior to your graduate degree completion). This form must be completed and filed with the CMSE graduate program coordinator for this certificate to be listed on your transcript.

Graduate Certificate in Computational Modeling	
1. Any two of the CMSE core graduate courses (6 credits) _____ CMSE-801, Introduction to Computational Modeling (3 credits) _____ CMSE-802, Methods in Computational Modeling (3 credits) _____ CMSE-820, Mathematical Foundations of Data Science (3 credits) _____ CMSE-821, Numerical methods for differential equations _____ CMSE/CSE-822, Parallel programming (3 credits) _____ CMSE-823, Numerical Linear Algebra, I (3 credits)	Semester Completed _____ _____ _____ _____ _____ _____
2. One or more additional courses, which may include further CMSE courses at the 400 level or above (including from the list of core CMSE graduate courses in List 1), courses from a pre-approved list of non-CMSE courses (consult the Graduate Handbook for more information), or other computational science or data science-focused courses at the 400 level or above as approved by the CMSE graduate advisor (3 or more credits). Please list the Course Number(s) and Section(s)/Course Name(s)/Credits: _____ _____ _____	Semester Completed _____ _____ _____

Additional Notes:

(Please see page 2 for required signatures)

Student: I attest that the information provided on this form is accurate.

Student Signature

Date

Primary Department Program Advisor: I have reviewed the courses that this student has taken and, based on this review, affirm that this student is eligible for conferral of the Graduate Certificate in Computational Modeling.

Primary Program Advisor Signature

Date

After acquiring the signatures listed above, please forward this form to the CMSE academic program coordinator at #1501 Engineering Building or cmsegrad@msu.edu. The CMSE coordinator will acquire the signature listed below.

CMSE Program Director signature on this form certifies that the student has met all of the requirements for the Graduate Certificate.

CMSE Program Director

Date

Registrar's Office: When all signatures appear, we certify that this student has successfully completed all of the requirements to confer the Computational Modeling Graduate Certificate (code #8086).

For CMSE Department Use Only

Requested Conferral w/ EGR College Dean's Office: **Waived**

Date Certificate code added to student record: _____

Date Certificate conferred in CS: _____

Date signed copy sent to Registrar's Office:

Updated Certificate spreadsheet: _____