GEORGE MASON UNIVERSITY
Graduate Council NEW Certificate, Concentration, Track or Degree Program
Coordination/Approval Form

(Please complete this form and attach any related materials. Forward it as an email attachment to the Secretary of the Graduate Council. A printed copy of the form with signatures should be brought to the Graduate Council Meeting. If no coordination with other units is required, simply indicate “None” on the form.

Title of Program/Certificate, etc: Computer Science

Level (Masters/Ph.D.): Certificate

Please Indicate: [ ] Program [ ] Certificate [ ] Concentration [ ] Track

Description of certificate, concentration or degree program:
Please attach a description of the new certificate or concentration. Attach Course Inventory Forms for each new or modified course included in the program. For new degree programs, please attach the SCHEV Program Proposal submission.

Please list the contact person for this new certificate, concentration, track or program for incoming students:

Harry Wechsler

Approval from other units:

Please list those units outside of your own who may be affected by this new program. Each of these units must approve this change prior to its being submitted to the Graduate Council for approval.

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Submitted by: __ArunSood________________________________ Email: ____asood@gmu.edu_____
Graduate Council approval: __________________________ Date: _____________
Graduate Council representative: ______________________ Date: _____________
Provost Office representative: _________________________ Date: _____________
Post Bachelor CS Certificate

Justification:
This certificate targets students who possess an undergraduate degree and lack formal certification in the Computer Science field. The certificate should also appeal to those students who show aptitude for graduate study, but do not have the academic prerequisites required for admittance into a graduate MS CS program. In particular such students upon completion could earn both the certificate and up to 9 (nine) credits toward the MS CS degree. The certificate targets students directly out of college, including students graduating with a BS IT from GMU, and working professionals.

Students who maintain a 3.0 or better during the program will have fulfilled the minimum computer science prerequisites necessary to begin graduate study. In conjunction with acceptable GRE scores, admission to the M.S. program will in many cases be granted.

Admission Requirements:
The admission requirements for this program are a bachelor degree with 3.0 or better GPA. The GRE is also required. Programming experience is assumed (i.e. equivalent of CS 112 and CS 211).

Course Requirements:
The set of courses for the program consists of Basic CS, Math and Track 1 or Track 2. Track 2 is intended for those students interested to continue their studies toward earning an MS CS.

Basic CS: 310, 330, 365, 367, ECE 303
Math: 125, 213

Track1 (UG): CS 483 and choose 2 (two) from CS {421, 440, 450, 451, 471, 480}.
Track2 (G): CS 583 and choose 2 (two) from CS {540, 571, 580}.

The certificate requires 31 credits for completion. We expect that students with an appropriate science or technical degree will be able to receive credit for some of the courses from the above list.