Implementation Form - Undergraduate Certificates

This form must accompany a certificate proposal. It is used by administrative offices to better assist departments and programs with implementation.

Certificate Name: Computer Sciences
Faculty Program Director: Perry Kivolowitz
Primary Faculty/Staff Contact: Perry Kivolowitz
Home Department/Academic Unit (Name/UDDS): Computer Sciences
Approval Date: Fall 2005?
School/College: College of Letters and Science
Approval Date: Spring 2006?
UAPC Approval Date: Spring 2006?
Implementation Term (usually the fall term after UAPC approval): Fall 2006?
Year that first program review is scheduled (usually 5 years after implementation): Never scheduled

Person/office responsible for maintaining requirements in DARS: Mike Pflieger
Plan Code (assigned by the Registrar’s Office): CERT229
Plan Descr (assigned by the Registrar’s Office): Computer Sciences Cert
CIP Code (assigned by Academic Planning and Analysis): 110101
Primary Divisional Disciplinary Assignment (assigned by APA for analysis purposes only): PHY

Curriculum (check one):
- [ ] Included in detail in the proposal
- [x] A list of required and elective courses is attached

Credit total required: 6 courses, each at least 2 credits (see attached course list)
All core/required courses are approved through Divisional Committee: Yes
All courses numbered less than 699. Yes
The credit total is less than half of the credits required for related majors. Yes
Special topics courses are only used if all instances count for the certificate. No – CS638 (Undergraduate Topics in Computing) is allowed for the Certificate if and only if it is allowed as an elective for the CS major.
Courses taken as Pass/Fail are allowed. No
If yes, specify limits:
Courses taken Credit/No Credit are allowed. No
If yes, specify limits:
Will exceptions to the course core requirements be allowed? Yes (but it is unlikely)
What is the requirement for credits taken in residence at UW-Madison (default is at least 50%)?
50% for “regular”[Undergraduate] students; 12 credits for University Special students
Does the certificate have enough flexibility to make it accessible to transfer students and students who identify an interest as late as their junior year? Yes
Will the certificate use the default GPA requirements of GPA of 2.0 to be earned on all course work for the certificate? A grade of C or better must be earned for each class.
If No, specify other requirements.
Specify overlap provisions – name degree/major or certificate programs that may not be earned along with the certificate. Note that majors take priority over certificates. Students majoring in Computer Sciences, Electrical Engineering, or Computer Engineering are not eligible for the CS certificate.
Program faculty and staff understand that a student’s graduation should not be delayed to complete the certificate. Yes
The department/program has a process in place to send declaration forms to the Registrar’s Office. Yes

Which students are eligible for the certificate? Check those that apply.
___x___Undergraduates in all schools/colleges (this is the default eligibility)
_____Undergraduates in specific schools/colleges.
   List specific schools/colleges:
___ x ___University Special (non-degree seeking students). Complete the noted section below.

Making Undergraduate certificates available to Special Students
(Special students must hold a bachelor’s degree to enroll in an undergraduate certificate program. Special students should be served only after all demand by degree-seeking undergraduates is met.)
The certificate will be open to Special students who graduated from UW-Madison. Yes
If yes, specify any restrictions or limits: No students with a degree in Computer Science, Electrical Engineering, or Computer Engineering.
The certificate will be open to Special students who graduated from other institutions. Yes
If yes, confirm that the proposal explains how resources are available to support these students without disadvantaging degree seeking students. Yes: University Special students register after regular students
The default minimum residency requirement applies, that at least 50% of the certificate credits must be earned at UW-Madison. Yes (at least 12 credits must be earned here)
If No, specify other limits:
The department/program has a process in place to send declaration forms to the Registrar’s Office. Yes
The department/program has a process in place to notify the Registrar’s Office when Special Students complete the certificate requirements.

Yes (but we are not happy that we must do this).

REQUIREMENTS FOR THE CS CERTIFICATE

To earn a Computer Science Certificate, a student must complete 6 Computer Science courses, each worth at least 2 credits, and each with a minimum grade of C, including the following:

- CS302 and CS367 (or equivalent transfer or AP credits)
- at most 4 courses below the 400 level
- at least 2 courses at the 400 level or above
- for students currently enrolled in a bachelor's degree program at UW-Madison: at least 50% of the credits must be in residence here at UW-Madison; for Special Students: at least 12 of the credits must be earned in residence here at UW-Madison, either while enrolled as a University Special student or from undergraduate course work at UW-Madison; in both cases, non-graded (S/U) courses taken in residence cannot be used

Note that completing just CS367 counts as completing both CS302 and CS367 (and in that case, only 5 courses total are required).

The following courses may not be used for the CS Certificate: CS250, CS298, CS304, CS368, CS371, CS402, CS550, CS699 and CS915.

CS638 may be used if and only if it has been approved for use towards the CS Major.