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| **CSC468 GUI –PA3 Proposal**  Course Checklist  Derek Lane, Luke Meyer, Murray LaHood-Burns |

We propose a redesign on the MCS SDSM&T website interface as well as the additional feature of having a student maintain their own checklist of a Computer Science Program of Study checklist. Here the student will be able to check or mark the classes they have taken on a website recreation of the advisee form located at the bottom of this document.

Implementation: Similar lists of all required courses in:

* Computer Science Core classes
* Sciences
* Mathematics
* Arts/Humanities/Social Sciences
* Computer Science Electives

This list will be interactive for the user via checkboxes and/or textboxes, allowing the user to maintain a running record of classes completed toward obtaining a bachelor degree in computer science. We will also implement a credit hour tracker that will display either the number of credits completed or the number of credits remaining in a particular set of required courses. For example, if a student has completed six hours of social sciences/humanities, those six hours will be reflected in the display perhaps as “6/31 credits of Arts/Humanities & Social Sciences completed” or something similar.

The user will log in to access their personal progress of this checklist and update it appropriately. There will be validation of user input for example, we will designate a correct form for input of courses (i.e. CSC447 – Artificial Intelligence). Also, validation will be used so the user cannot input invalid credit hours or valid class association (Core vs. Upper Level vs. Electives). Also, there will be links to each course in the MCS department and the user will be able to print a completed form to show to their advisor.

**Rough timeline of project completion:**

By Sunday, April 10th –Rough draft of website interface design.

By Wednesday, April 13th –Compile a list of hyperlinks to course websites.

By Friday, April 15th –Rough implementation of course checklist site design.

By Friday, April 22nd –Completion of client-side and server side application:

* + - Users can log in
    - Users can input classes

By Sunday, April 24th –User will be able to print a completed form.

