

## Course Competencies Template - Form 112

GENERAL INFORMATION											
Name: Michael Hettich	Phone #: 305-237-3187										
Course Prefix/Number: IDS 2370	Course Title: Leadership in Science, Technology, Engineering and Mathematics										
Number of Credits: 1											
Degree Type	<input type="checkbox"/> B.A. <input type="checkbox"/> B.S. <input type="checkbox"/> B.A.S <input checked="" type="checkbox"/> A.A. <input checked="" type="checkbox"/> A.S. <input type="checkbox"/> A.A.S. <input type="checkbox"/> C.C.C. <input type="checkbox"/> A.T.C. <input type="checkbox"/> V.C.C										
Date Submitted/Revised: 9/20/2007	Effective Year/Term: 2007-2										
<input checked="" type="checkbox"/> New Course Competency <input type="checkbox"/> Revised Course Competency											
Course to be designated as a General Education course (part of the 36 hours of A.A. Gen. Ed. coursework): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
The above course links to the following General Education Outcomes: <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> Communication</td> <td><input type="checkbox"/> Social Responsibility</td> </tr> <tr> <td><input type="checkbox"/> Numbers / Data</td> <td><input type="checkbox"/> Ethical Issues</td> </tr> <tr> <td><input checked="" type="checkbox"/> Critical thinking &amp; Scientific Reasoning</td> <td><input checked="" type="checkbox"/> Computer / Technology Usage</td> </tr> <tr> <td><input checked="" type="checkbox"/> Information Literacy</td> <td><input type="checkbox"/> Aesthetic / Creative Activities</td> </tr> <tr> <td><input type="checkbox"/> Cultural / Global Perspective</td> <td><input type="checkbox"/> Environmental Responsibility</td> </tr> </table>		<input checked="" type="checkbox"/> Communication	<input type="checkbox"/> Social Responsibility	<input type="checkbox"/> Numbers / Data	<input type="checkbox"/> Ethical Issues	<input checked="" type="checkbox"/> Critical thinking & Scientific Reasoning	<input checked="" type="checkbox"/> Computer / Technology Usage	<input checked="" type="checkbox"/> Information Literacy	<input type="checkbox"/> Aesthetic / Creative Activities	<input type="checkbox"/> Cultural / Global Perspective	<input type="checkbox"/> Environmental Responsibility
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Course Description (limit to 50 words or less, <b>must</b> correspond with course description on Form 102):  In this course students will research their career interests and interview professionals in Science, Technology, Engineering and Mathematics (STEM). Students will identify, compare, and evaluate upper division degree programs and prepare applications for admission to these programs. Students will write successful application essays and develop interview skills for transfer.											
Prerequisite(s):	Corequisite(s):										

**Course Competencies:** (for further instruction/guidelines go to: <http://www.mdc.edu/asa/curriculum.asp>)

Competency 1: Students will explore careers options in Science, Technology, Engineering and Mathematics (STEM) by:

1. Identifying career and employment options within their major field(s) of interest
2. Recognizing career opportunities by interviewing professionals in their field(s) of interest
3. Developing networks in the field by attending meetings of local professional organizations
4. Identifying educational opportunities by attending college or community presentations related to their field of interest

Competency 2: Students will explore transfer school options by:

1. Evaluating educational options through college catalogs

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2. Identifying 10 transfer options and evaluating them for location, strengths in professors and field or interest, cost, and transfer requirements
3. Developing contacts with schools and locating local alumni organizations/representatives
4. Identifying appropriate scholarship and financial aid opportunities
5. Developing relationships with college/university admissions officers

Competency 3: Students will begin the transfer admission application process by:

1. Creating a written personal timetable for the application process beginning with the requirements to meet early deadlines
2. Identifying professors willing to write recommendations and requesting recommendations
3. Identifying a minimum of 6 schools to which to apply
4. Writing and revising personal statements and essays for transfer institutions
5. Completing a minimum of 4 college applications
6. Identifying scholarship and financial aid opportunities
7. Utilizing phone and e-mail contacts to follow up applications

Competency 4: Students will continue to build his/her portfolio of academic and personal achievements which will be developed and fine tuned until the end of the term by:

1. Developing a personal resume and curriculum vitae
2. Writing an autobiography
3. Writing a personal press release describing a significant STEM-related event in they participated
4. Identifying outstanding graded papers and/or coursework to include in portfolio
5. Identifying and including news items relevant to their MDC experience in their portfolio

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