

## Annual Academic Program Assessment Report and Plan

<b>Academic Program:</b>	A.S. Mathematics
<b>Academic Program Division:</b>	Science, Math and Engineering
<b>Program Responsible Person:</b>	Richard Arrigotti
<b>Assessment Team Member/s:</b>	Jeff Downs, Jim Strange, Mike Hardie, Scott Morrison, Mark Dorio
<b>Date Submitted:</b>	5/15/09
<b>College Strategic Plan Goals:</b>	<ol style="list-style-type: none"> <li>1. Improve student success in program completion and graduation rates.</li> <li>2. Ensure institutional excellence in teaching, programs and services.</li> <li>3. Embrace our college's many communities and respond to their diverse needs.</li> </ol>
<b>Division Mission:</b>	
<b>Program Mission:</b>	

This form allows all groups engaged in the on-going assessment process at WNC to document their assessment activities. The form includes a report on the previous year's assessment project and a plan for the coming year's project. Those responsible for annual assessment of academic programs are required to complete an assessment of at least one program outcome or student learning outcome each year but may assess more than one outcome if they choose. (Copy and paste the tables if more than one outcome is assessed.)

Completed assessment plans are to be electronically submitted to Catherine Boedenauer in IR ([boedenau@wnc.edu](mailto:boedenau@wnc.edu))

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## Assessment Report 2008-2009

A.S. Math		Assessment Plan for 2008-2009	
Enter name, phone number and email address <b>Richard Arrigotti, 445 4298, arrigott@wnc.edu</b>		Submitted: 1-14-2009	
<b>College Mission Statement/Goals</b> Enter portion of statement that relates to your unit here		<b>Academic Program Mission Statement/Goals</b> Enter your program statement and goals here	
By providing students with mathematical knowledge, WNC AS Math graduates will grow intellectually and have the ability to more easily integrate and develop technological advances into their academic and professional lives.		<b>Mission:</b> The purpose of the Associate of Science degree, emphasis Mathematics, is to provide the academic knowledge and skills for successful transfer to meet higher educational goals.  <b>Student Learning Outcomes:</b> Students who complete an Associate of Science degree, emphasis Mathematics, at WNC are expected to demonstrate that they- <ul style="list-style-type: none"> <li>• have met the general education student learning outcomes.</li> <li>• understand the content of calculus and differential equations.</li> <li>• are able to apply the content of calculus and differential equations at the appropriate level in mathematics, science, and engineering courses.</li> <li>• can succeed at their transfer institutions.</li> </ul>	
Outcomes	Means of Assessment	Findings	Actions
1.can succeed at their transfer institutions	Track AS Math graduates BA/BS completion from 2003 - 2005	There were 17 graduates. 5 students transferred to a 4 year institution. All 5 of these students completed their bachelor's degree	The data indicates that WNC AS Math graduates can succeed at their transfer institutions
	Track AS Math graduates type of BA/BS from 2003 - 2005	The were 2 B.S. in Mech Eng 1 B.S. in Elect Eng, 1 B.S. in Inform Tech, 1 B.S. in Bus Ad(Accounting/Finance)	

Signature, Division Chair

Date

Signature, Dean of Instruction

Date

Assessments are overseen by Institutional Research and the Program and Assessment Review Committee (PARC).

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## Assessment Plan Academic Year: 2009-2010

### Outcome #1

<b>Program Goal:</b>	By providing students with mathematical knowledge, WNC AS Math graduates will grow intellectually and have the ability to more easily integrate and develop technological advances into their academic and professional lives.
<b>Outcome:</b>	Students who complete an AS Math degree are expected to understand the content of calculus and differential equations.
<b>Assessment Methods and Criteria for Success:</b>	Imbed common questions into exams for all sections of calculus and differential equations
<b>Planned Use of Results:</b>	The department members will meet at the beginning of the Fall/09 semester to develop the common questions and a grading rubric. The department will meet at the conclusion of the 2009-2010 year to share and discuss results.