

# NORCO COLLEGE ANNUAL ADMINISTRATIVE PROGRAM REVIEW

**Unit: Title III STEM Department**

*Please give the full title of your unit.*

**Contact Person: Lorena Patton, Project Director**

**Due: AUGUST 29, 2014**

Please send an electronic copy to your area Vice President



*Form Last Revised: AUGUST 2014*

**Norco College**

Web Resources: <http://www.norcollege.edu/about/president/strategic-planning/programreview/Pages/index.aspx>

# Annual Administrative Program Review Update

## Instructions

The Annual Administrative Program Review is conducted by each unit and consists of an analysis of changes within the unit as well as significant new resource needs for staff, resources, facilities, and equipment. It should be **submitted or renewed every year** in anticipation of budget planning for the fiscal year, which begins July 1 of the *following* calendar year.

The questions on the subsequent pages are intended to assist you in planning for your unit.

The forms that follow are separated into pages for ease of distribution to relevant subcommittees. **Please keep the pages separated** if possible (though part of the same electronic file), **with the headers as they appear**, and be sure to include your unit, contact person (this may change from topic to topic) and date on each page submitted. Don't let formatting concerns slow you down. If you have difficulty with formatting, Nicole C. Ramirez can adjust the document for you. Simply add responses to those questions that apply and forward the document to [nicole.ramirez@norccollege.edu](mailto:nicole.ramirez@norccollege.edu) with a request to format it appropriately.

If you cannot identify in which category your requests belong or if you have complex-funding requests please schedule an appointment with your college's Vice President for Business Services right away. They will assist you with estimating the cost of your requests. It is vital to include cost estimates in your request forms. Each college uses its own prioritization system. Inquiries regarding that process should be directed to your Vice President.

**Mission**

Norco College serves our students, our community, and its workforce by providing educational opportunities, celebrating diversity, and promoting collaboration. We encourage an inclusive, innovative approach to learning and the creative application of emerging technologies. We provide foundational skills and pathways to transfer, career and technical education, certificates and degrees.

## **Vision**

Norco – creating opportunities to transform our students and community for the dynamic challenges of tomorrow.

## **Goals and Strategies 2013-2018**

### **Goal 1: Increase Student Achievement and Success**

Objectives:

1. Improve transfer preparedness (completes 60 transferable units with a 2.0 GPA or higher).
2. Improve transfer rate by 10% over 5 years.
3. Increase the percentage of basic skills students who complete the basic skills pipeline by supporting the development of alternatives to traditional basic skills curriculum.
4. Improve persistence rates by 5% over 5 years (fall-spring; fall-fall).
5. Increase completion rate of degrees and certificates over 6 years.
6. Increase success and retention rates.
7. Increase percentage of students who complete 15 units, 30 units, 60 units.
8. Increase the percentage of students who begin addressing basic skills needs in their first year.
9. Decrease the success gap of students in online courses as compared to face-to-face instruction.
10. Increase course completion, certificate and degree completion, and transfer rates of underrepresented students.

### **Goal 2: Improve the Quality of Student Life**

Objectives:

1. Increase student engagement (faculty and student interaction, active learning, student effort, support for learners).
2. Increase frequency of student participation in co-curricular activities.
3. Increase student satisfaction and importance ratings for student support services.
4. Increase the percentage of students who consider the college environment to be inclusive.
5. Decrease the percentage of students who experience unfair treatment based on diversity-related characteristics.
6. Increase current students' awareness about college resources dedicated to student success.

### **Goal 3: Increase Student Access**

Objectives:

1. Increase percentage of students who declare an educational goal.
2. Increase percentage of new students who develop an educational plan.
3. Increase percentage of continuing students who develop an educational plan.
4. Ensure the distribution of our student population is reflective of the communities we serve.
5. Reduce scheduling conflicts that negatively impact student completion of degrees and programs.

### **Goal 4: Create Effective Community Partnerships**

Objectives:

1. Increase the number of students who participate in summer bridge programs or boot camps.
2. Increase the number of industry partners who participate in industry advisory council activities.
3. Increase the number of dollars available through scholarships for Norco College students.
4. Increase institutional awareness of partnerships, internships, and job opportunities established with business and industry.
5. Continue the success of Kennedy Partnership (percent of students 2.5 GPA+, number of students in co-curricular activities, number of students who are able to access courses; number of college units taken).
6. Increase community partnerships.
7. Increase institutional awareness of community partnerships.
8. Increase external funding sources which support college programs and initiatives.

## **Goal 5: Strengthen Student Learning**

### Objectives:

1. 100% of units (disciplines, Student Support Service areas, administrative units) will conduct systematic program reviews.
2. Increase the percentage of student learning and service area outcomes assessments that utilize authentic methods.
3. Increase the percentage of programs that conduct program level outcomes assessment that closes the loop.
4. Increase assessment of student learning in online courses to ensure that it is consistent with student learning in face-to-face courses.
5. Increase the number of faculty development workshops focusing on pedagogy each academic year.

## **Goal 6: Demonstrate Effective Planning Processes**

### Objectives:

1. Increase the use of data to enhance effective enrollment management strategies.
2. Systematically assess the effectiveness of strategic planning committees and councils.
3. Ensure that resource allocation is tied to planning.
4. Institutionalize the current Technology Plan.
5. Revise the Facilities Master Plan.

## **Goal 7: Strengthen Our Commitment To Our Employees**

### Objectives:

1. Provide professional development activities for all employees.
2. Increase the percentage of employees who consider the college environment to be inclusive.
3. Decrease the percentage of employees who experience unfair treatment based on diversity-related characteristics.
4. Increase participation in events and celebrations related to inclusiveness.
5. Implement programs that support the safety, health, and wellness of our college community.

# COLLEGE ADMINISTRATIVE UNIT ANNUAL REVIEW WORKSHEETS

## DUE: AUGUST, 2014

Administrative Unit: Title III STEM Department

Prepared by: Lorena Patton, Project Director

Date: August 29, 2013

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**Submit only your Worksheets. Do not alter the forms, or eliminate pages. If a page does not apply simply mark N/A.**

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### I. The Unit PROGRAM REVIEW

*The Administrative (Unit Program Review) is meant to provide a broad understanding of the unit, current trends related to the unit's mission, and how the unit serves to meet the overall mission or goals of Norco College and the Riverside Community College District.*

#### 1. What is the mission of your unit?

The mission of the Title III HSI-STEM Grant is to increase the institutions capacity to serve Hispanic students pursuing majors and careers in the areas of Science, Technology, Engineering & Mathematics (STEM). The goal of the unit is to develop STEM focused degrees particularly in the area of engineering, and create pathways for students pursuing STEM majors. Our mission also includes providing transparent and accessible pathways for STEM students to navigate the transfer process and supporting students' educational goals by providing access to both faculty and staff. Our unit provides resources for the personal, professional and academic development of STEM students and increases faculties capacity to effectively serve underrepresented students (mainly Hispanic, socially or economically

disadvantaged). Our mission incorporates faculty training and professional development by way of culturally relevant pedagogy to support the grants specified target population and Norco's overall student population.

**2. Identify or outline how your unit serves the mission of Norco College.** *Please limit to a single paragraph.*

The Title III department serves the mission of Norco College by serving a diverse population of students, providing educational opportunities and encouraging student collaboration through small work groups and diverse learning communities. We also serve to educate and train faculty on the emerging technologies that have the potential to impact student outcomes, success and transfer. The STEM department provides students foundational skills and pathways to transfer. The department also works to increase the percentage of new and continuing students who develop an educational plan each year and provides orientation coursework, extensive counseling and academic advising. **Goals 5.5, 4.1, 3.2 & 3.3**

**• List the major functions of your unit.**

<b><u>Function</u></b>
To create Pre-engineering Associate Degree Transfer Options for students. To increase Hispanic & Low-income Learner Retention. To provide pre-engineering college preparedness. To provide faculty training and professional development opportunities. To create 2 + 2 pathways between Norco College and local high schools.

**• Briefly comment on the status of your 2014 goals and objectives.**

One of the major functions of the Unit is to create pre-engineering associate degrees with transfer options. To date, the Pre-engineering Associates of Science degree has been approved by the state. It will be added to the Norco College catalog addendum and will be available to students in Spring 2015. The degree will also be available retroactively for eligible students who graduated in spring 2014. The STEM Grant also sponsored faculty to attend the Institute for Equity Effectiveness and Excellence at HSIs hosted by the University of Southern California and the STEM Faculty Equity & Awareness retreat near the end of 2013. These professional development opportunities occurred during the 2013-2014 academic year, thus are included in this program review. Both opportunities provided training and professional development for faculty and focused on pedagogy and organizational content & structure. Hispanic & Low-income learner retention was addressed by providing a series of workshops, tutoring and supplemental instruction for students who were identified as at-risk based on grade point average or academic standing. A Memorandum of Understanding (MOU) was created between JFK and the mathematics

department at Norco College. This MOU will allow students to take courses for credit at Norco while simultaneously enrolled in high school and demonstrates collaboration between Norco college and the local high school. Lastly, the STEM Center opened providing access to a computer lab, tutors, supplemental instruction, and smart classroom technology. The purpose and function of the center will be to provide resources to all students pursuing STEM focused degrees, specifically pre-engineering. **2.1, 2.6, 5.5**

- **MAJOR Goals and Objectives 2014 – 2015 (do not include normal functions of your unit). In order from 1 – 5 is best. With 1 as the most important.**

Before writing your goals and objectives be sure to review other Program/Unit Review documents related to your unit to discern if there are service needs you wish to address.

<b>Major Goal and/or Objective</b>	<b>Start Date</b>	<b>Status:</b> ongoing, completed, or date completion anticipated	<b>Need Assistance in order to complete goal or objective (reference applicable resource request page)</b>	<b>EMP GOALS</b>
1. Complete the design & renovation of STEM Center Complex.	9/14	Anticipated completion date: 11/14		
2. Identify thirty degree completers for the newly developed Pre-Engineering Associates Degree.	9/14	Anticipated completion date: 6/15		
3. Provide supplemental instruction in historically difficult courses, Physics, Chemistry & Bio-1.	9/14	Anticipated completion date: 6/15		
4. Provide Math Workshops to increase success and retention data for STEM students.	9/14	Anticipated completion date: 6/15		
5. Increase the number of students seen by a STEM counselor each semester regarding transfer.	9/14	Ongoing		



## Previous Year's Assessment

SAO Assessed:	Assessment method used:	What was your target or benchmark?	What were the results?	How do you anticipate using these results?
Increase number of Educational Plans developed with STEM Students by counselor	Tracking the number of SEPs from 2012-2013 and those completed in 2013-2014.	100 SEPS	Over 100 Student Educational Plans were developed by STEM Counselor.	To gauge how many can effectively be administered during the 2014-2015 academic year.
Increase institutional capacity to serve STEM students.	Tracking the number of contacts provided to STEM students: SI sessions, tutoring, and workshops	Increase in number of student contacts from 2012-2013 to 2013-2014.	Increase in workshop attendance.	Use workshop evaluation data to successfully plan this years workshops.

- Reflective Question:** What did you learn that will impact your unit for the future? To evaluate everything, make sure that every staff member understands his or her unique and individual roles, use student feedback to drive organizational changes.

**Directions:** The primary purpose of this update is to provide an overview of your unit’s assessment activities (plans, data, responses to data, etc.) for the previous academic year as well as your plans for assessment in the upcoming academic year. If you have any questions regarding the assessment process on this aspect of the report, please contact your vice president, or the Assessment Co-chairs, Sarah Burnett at [sarah.burnett@norcocollege.edu](mailto:sarah.burnett@norcocollege.edu) or Greg Aycock at [greg.aycock@norcocollege.edu](mailto:greg.aycock@norcocollege.edu). See Appendix 1 for more information about assessment.

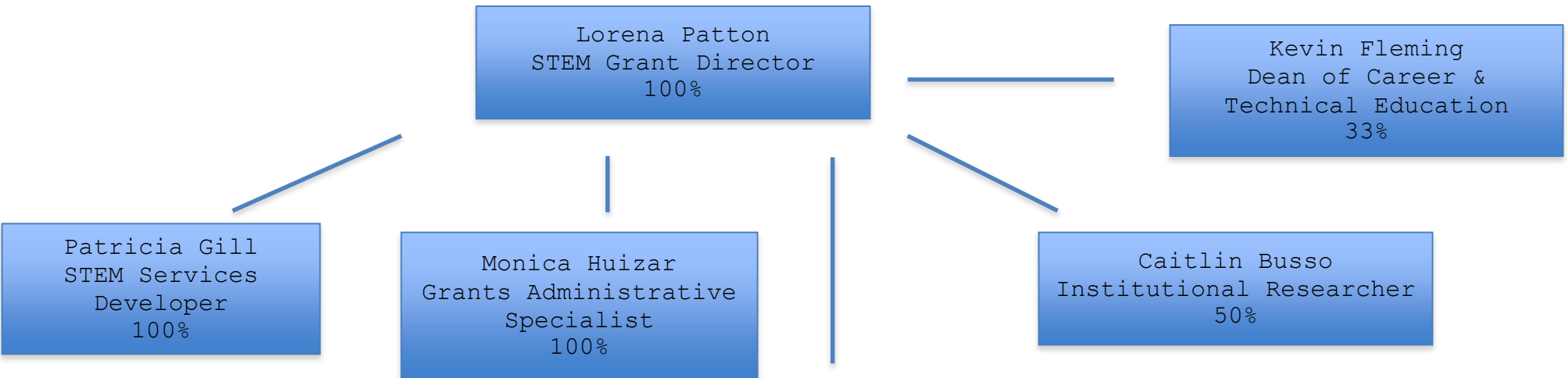
### Current year’s assessment plan

SAO to be assessed:	What assessment methods do you plan to use?	When Will Assessment Be Conducted and Reviewed?	What result, target, or value will represent success at achieving this outcome?	How do you anticipate using the results from the assessment?	GOALS
Students participation in STEM Scholars program and/or transfer activities.	Evaluation surveys	8/15	80% of students will indicate program satisfaction.	To improve student satisfaction rates.	
Retention rate of students enrolled in STEM Scholars Program pilot from year 4 to 5.	Gather enrollment data	8/15	70% of students retained from year 4 to year 5.	To drive program changes and assessment.	

Pre-engineering Associate Degree completers	Transcript review and track degree completers.	6/15	30 students receive an A.S. Pre-engineering degree.	To report in my annual performance report for the department of education.	
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**Provide the official Organizational Chart of your unit which includes all levels of services and positions.** *If necessary, provide very brief narrative descriptions by numbering the chart and including a numbered list with clarifications on a subsequent page. The official chart can be obtained from Human Resources.*

*If you wish make this an appendix item.*



STEM Tutors/SI  
Leaders 50%

**Project Director-** *Manage project personnel and coordinate activities with the project management and evaluation plans, work closely with Norco faculty and administrators, ensure compliance with Federal regulations and the college's personnel, purchasing and administrative policies.*

**STEM Counselor-** *Develop model orientation program, develop and pilot career advising and counseling specific to the projects target population.*

**Grants Administrative Specialist** - *Provide clerical and budgetary support to Project Director*

**Dean of Career and Technical Education-** *Serve as curriculum supervisor for newly developed A.S. degrees for transfer*

**Institutional Researcher-** *Develop evaluation assessment tools for student and program services, administration of data collection instruments, compilation of collected data, comparison of project results*

**STEM Services Developer-** *Develop & Coordinate STEM Scholars Program*



- **Staffing Profile (Please indicate the number in terms of FTE. In other words a full time staff person is a 1, and a half time person is a .5)**

Position	Staffing Levels for Each of the Previous Five Years					Anticipated total staff needed	
	2010	2011	2012	2013	2014	2015-2016	2016-2017
Administration			1	1	1.33	1.33	
Classified Staff FT			1	1	2	2	
Classified Staff PT					.5	.5	
Confidential Staff FT							
Faculty Reassigned FTE Full time							
Faculty Reassigned FTE Part time					.44	.67	
<b>Total Full Time Equivalent Staff</b>			2	2	3	3	

Complete the Management and/or Staff request form that follow if new employees are needed.

When filling out the form on the next page please **consider** the following in framing your “reason:”

- Has the workload of your unit increased in recent years?*
- Has technology made it possible to do more work with the same staff? Or, has technology increased your work load (adding web features which need updating for example)?*
- Does the workload have significant peaks and valleys during the fiscal year that would be best filled by part time staff?*

• **Staff Needs**

**NEW OR REPLACEMENT STAFF (Administrator, Faculty or Classified)<sup>1</sup>**

List Staff Positions Needed for Academic Year <u>2014-2015</u> Place titles on list in order (rank) or importance.	Indicate (N) = New or (R) = Replacement	Annual TCP*	EMP/STRATEGIC GOALS
<b>1. College Receptionist</b> <u>Reason: I do not have any clerical staff for the front desk in the STEM Center. I currently house the STEM Services Developer at the front desk.</u>	N	\$25,000	
<b>2. STEM Counselor</b> <u>Reason: The STEM Counselor that I had was offered a position at Moreno Valley College and resigned in August.</u>	R	\$50,000	
<b>3.</b> <u>Reason:</u>			
<b>4.</b> <u>Reason:</u>			
<b>5.</b> <u>Reason:</u>			
<b>6.</b> <u>Reason:</u>			

\* TCP = "Total Cost of Position" for one year is the cost of an average salary plus benefits for an individual. Use space for language or linking resources to assessment.

<sup>1</sup> If your SERVICE AREA OUTCOMES (SAO) assessment results make clear that particular resources are needed to more effectively serve students please be sure to note that in the "reason" section of this form.

• **Equipment (including technology) Needs Not Covered by Current Budget<sup>2</sup>**

<b>List Equipment or Equipment Repair &amp; Technology Needed for Academic Year _____ Please be as specific and as brief as possible.</b> Place items on list in order (rank) or importance.	Annual TCO**			EMP/STRATEGIC GOALS
	Cost per item	Number Requested	Total Cost of Request	
<b>1. Instructional furniture and Audio Visual Equipment for newly renovated STEM Modulars (52 computer desks and workstations, 90 individual student desks, 4 overhead projectors, 2 monitors, 2 instructor stations with computers, desk and chairs for STEM activities space).</b> <u>Reason: Needed to complete the STEM Center Design and Renovation Project.</u>			<b>\$95k</b>	
<b>2.</b> <u>Reason:</u>				
<b>3.</b> <u>Reason:</u>				
<b>4.</b> <u>Reason:</u>				
<b>5.</b> <u>Reason:</u>				
<b>6.</b> <u>Reason:</u>				

\*\* TCO = "Total Cost of Ownership" for one year is the cost of an average cost for one year.

<sup>2</sup> If your SERVICE AREA OUTCOMES (SAO) assessment results make clear that particular resources are needed to more effectively serve students please be sure to note that in the "reason" section of this form.



Unit Name: Title III STEM Department

• **Space Needs Not Covered by Current Building or Remodeling Projects\*<sup>3</sup>**

<b>List Space Needs for Academic Year <u>2014-2015</u></b> <b>(Office space, storage, etc.,) Place items on list in order (rank) or importance.</b>	<b>Annual TCO*</b>
	Total Cost of Request
<b>1. Food Services space</b> <u>Reason: To provide hot and cold beverages to students using the STEM Center,</u>	
<b>2.</b> <u>Reason:</u>	
<b>3.</b> <u>Reason:</u>	
<b>4.</b> <u>Reason:</u>	
<b>5.</b> <u>Reason:</u>	
<b>6.</b> <u>Reason:</u>	

\*Please contact your campus VP of Business or your Director of Facilities, Operations and Maintenance to obtain an accurate cost estimate and to learn if the facilities you need are already in the planning stages.

<sup>3</sup> If your SERVICE AREA OUTCOMES (SAO) assessment results make clear that particular resources are needed to more effectively serve students please be sure to note that in the “reason” section of this form.

• **Professional or Organizational Development Needs\*<sup>4</sup>**

<p><b>List Professional Development Needs.</b> Reasons might include in response to assessment findings or the need to update skills to comply with state, federal, professional organization requirements or the need to update skills/competencies. Please be as specific and as brief as possible. Some items may not have a direct cost, but reflect the need to spend current staff time differently. Place items on list in order (rank) or importance.</p>	Annual TCO		
	Cost per item	Number Requested	Total Cost of Request
<p><b>1. Project Director conference</b>  <u>Reason: To stay abreast of title V policies and regulations.</u></p>			
<p><b>2.</b>  <u>Reason:</u></p>			
<p><b>3.</b>  <u>Reason:</u></p>			
<p><b>4.</b>  <u>Reason:</u></p>			
<p><b>5.</b>  <u>Reason:</u></p>			
<p><b>6.</b>  <u>Reason:</u></p>			

<sup>4</sup> If your SERVICE AREA OUTCOMES (SAO) assessment results make clear that particular resources are needed to more effectively serve students please be sure to note that in the “reason” section of this form.

• **OTHER NEEDS<sup>5</sup>**

<p><b>List Other Needs that you</b> are certain do not fit elsewhere. Please be as specific and as brief as possible. Not all needs will have a cost, but may require a reallocation of current staff time. Place items on list in order (rank) or importance.</p>	Annual TCO*		
	Cost per item	Number Requested	Total Cost of Request
<p><b>1. Outdoor furniture and concrete trash cans</b> <u>Reason: To assist with maintenance of the center and student accessibility</u></p>			
<p><b>2. Landscaping</b> <u>Reason: To create pathway from Center to portables, clear any environmental and safety hazards, to restore any damage done during the STEM Center Design &amp; Renovation project. Improve complex aesthetics.</u></p>			
<p><b>3. Permanent Signage</b> <u>Reason: Visible signage to establish the location of the STEM Center.</u></p>			
<p><b>4.</b> <u>Reason:</u></p>			
<p><b>5.</b> <u>Reason:</u></p>			
<p><b>6.</b> <u>Reason:</u></p>			

<sup>5</sup> If your SERVICE AREA OUTCOMES (SAO) assessment results make clear that particular resources are needed to more effectively serve students please be sure to note that in the “reason” section of this form.

- **Long Term Planning Needs<sup>6</sup>**

If your unit anticipates significant additional needs for personnel, equipment or facilities will occur two to five years from now please list those here*			
	Fiscal Year Needed	Number Requested	Total Cost of Request
1. <u>Reason:</u>			
2. <u>Reason:</u>			
3. <u>Reason:</u>			
4. <u>Reason:</u>			
5. <u>Reason:</u>			
6. <u>Reason:</u>			

*\*Significant needs are generally those with annual costs over \$20,000. They may be the result, for example, of institutionalizing a grant, anticipated growth, or major equipment coming to the end of its life.*

<sup>6</sup> If your SERVICE AREA OUTCOMES (SAO) assessment results make clear that particular resources are needed to more effectively serve students please be sure to note that in the “reason” section of this form.

## Assessment

**Why Administrative Units Conduct Assessments:** Research indicates that collecting and analyzing evidence leads to improvement of institutional or unit level effectiveness. In addition it:

- Ensures units are examining their services and programs
- Documents outcomes assessment and internal improvement efforts
- Allows each unit to demonstrate how well it is performing
- Allows for requesting resources
- Relies on fact, not perception
- Allows unit staff to prioritize improvements.

### **Steps to Developing Assessment Plans & Reports**

- 1. Unit develops measurable Service Area Outcomes (SAO).** An SAO is a “specific statement that describes the benefit that a [unit] hopes to achieve or the impact [. . .] that is a result of the work that your unit performs. Outcomes should be:
  - Challenging but attainable”
  - Articulate what the unit wants to achieve
  - Indicate end results for the unit rather than actions
  - Relate to the unit’s mission and vision
  - Focus on the benefit to the recipient of the service
  - Be stable over a number of years. If it is time dependent, it is most likely a goal not an outcome; and
  - Be measurable and directly related to the work of your unit.<sup>7</sup>

Stems for writing outcomes can include:

- “In support of student learning, staff will \_\_\_\_\_”
- “Students are aware of \_\_\_\_\_”
- “Administrators (or staff) have the \_\_\_\_\_”

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<sup>7</sup> Source: The American University in Cairo. “A guide to developing and implementing effective outcomes assessment: Academic support and administrative units.” December 1, 2007. Retrieved on the internet at <http://ipart.aucegypt.edu>

2. **Unit defines how it will assess progress (non-evaluative) towards the outcomes.** The unit might consider taking an inventory of current tools being used. For example:
- What information is being collected already?
  - What assessment are you already using?

Methods that can be used to measure progress include, for example:

- Student satisfaction surveys
- Number and type of complaints
- Growth in a specific function
- Comparisons to professional organizations' best practices
- Focus groups
- Opinion surveys
- Time to complete a task

3. **Unit completes the assessment plan and carries out the assessment.** In order to ensure the plan is completed:
- Designate a coordinator for the assessment project and/or assign responsibility for individual components.
  - Develop a timeline indicating when work will be collected, results tabulated, analysis completed, and subsequent dialogues.

**Unit gathers information, analyzes results, communicates findings, and takes action.** This step is important as it is used to identify changes needed to improve efficiency, effectiveness, and unit performance. It should also be applied to for planning and budgeting and resource allocation requests (short term and long term). Ultimately it may be tied to the institution's ability to achieve its mission.