

The webinar will begin at 1 p.m. EDT

LOGIC MODELS

Getting them right and using them well

August 17, 2016

INTRODUCTIONS



Miranda
Lee



Lori
Wingate



Mike
Lesiecki




Janet
Pinhorn



Tim
Suchomski



Logic Models: Getting Them Right and Using Them Well



This material is based upon work supported by the National Science Foundation under grant number 1204683.

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the presenters and do not necessarily reflect the views of NSF.

MATERIALS

LOGIC MODELS
Getting them right and using them well

August 17, 2016

Evaluate RESULTS FROM PRIOR NSF SUPPORT CHECKLIST
(SEE CHECKLIST 1204683.001)

NSF is pleased to see that your proposal has received NSF funding. In the past, your compliance with the results of the checklist may not have been fully addressed. Whether to address the issues identified in the checklist is your responsibility. Please contact the NSF program director for more information. www.nsf.gov


REQUIREMENTS

- 1. Check to ensure all the following are included in the proposal:
 - NSF number
 - Period of support
 - Budget
 - Budget narrative
 - Budget tables
- 2. Provide complete information for all publications described with NSF support, either by including in the proposal or providing a separate document if there were complications. Also, provide complete information for all other publications.

RECOMMENDATIONS

1. Provide a detailed account of what the project did, accomplished, and what was supported. It should include a description of the work and a description of the results. It should also include a description of the work and a description of the results. It should also include a description of the work and a description of the results.

www.nsf.gov



Slides

Handout

Recording

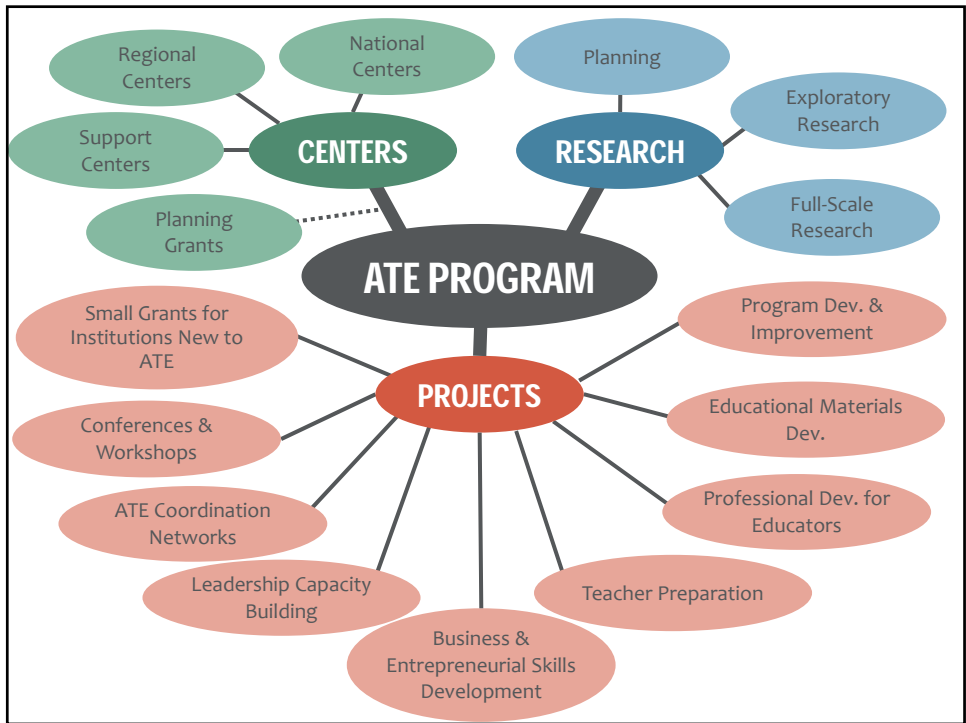
www.evaluate.org/webinars/2016-aug/

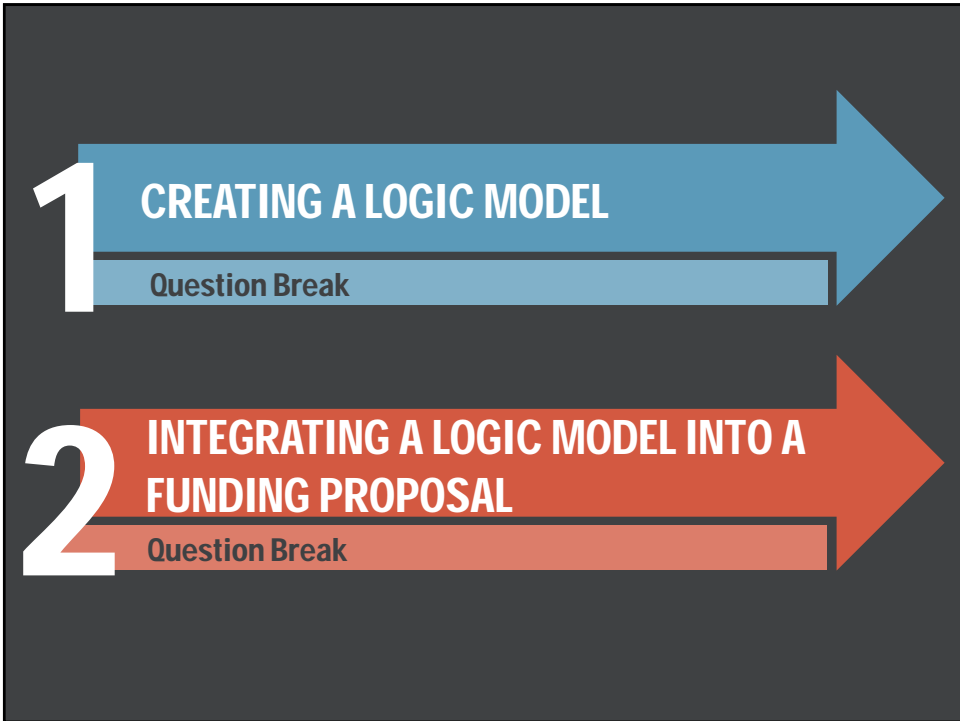
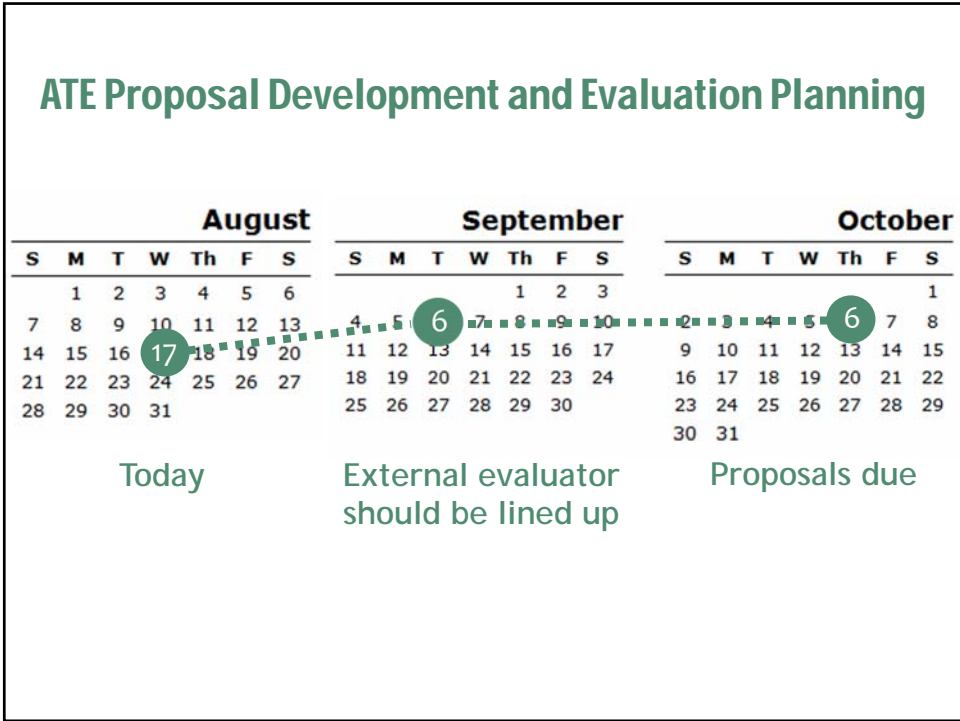


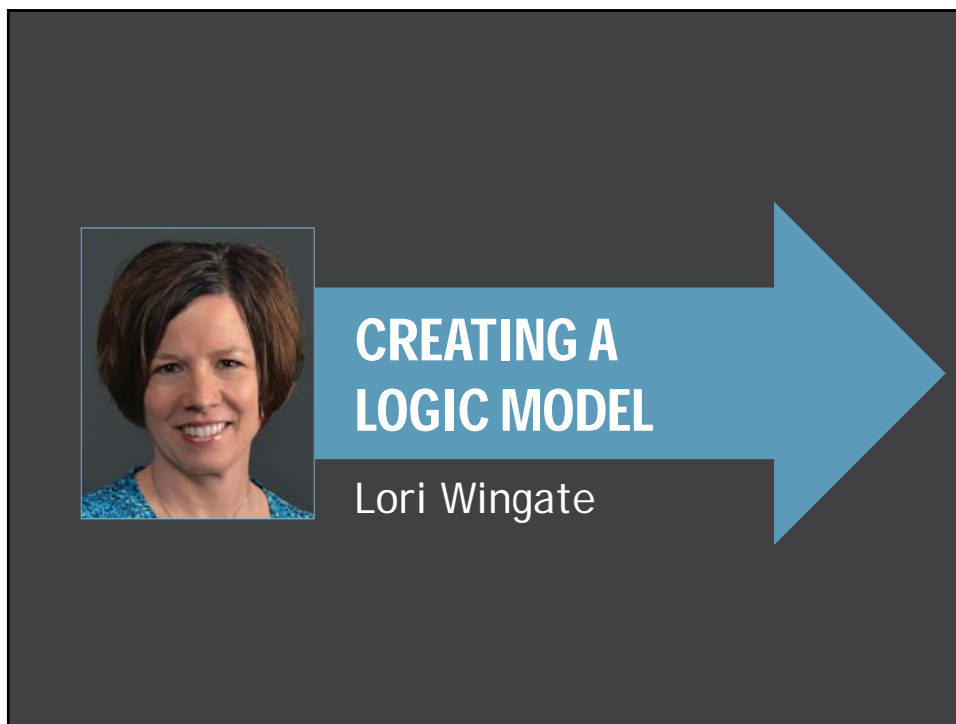
**ADVANCED
TECHNOLOGICAL
EDUCATION
(ATE)**



www.nsf.gov/ate

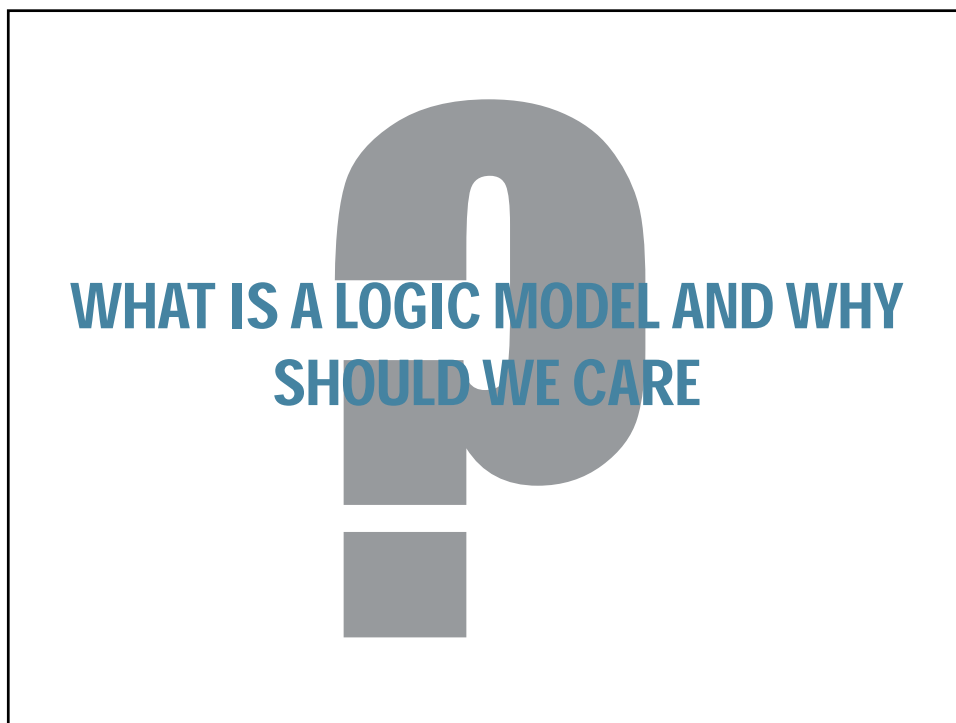






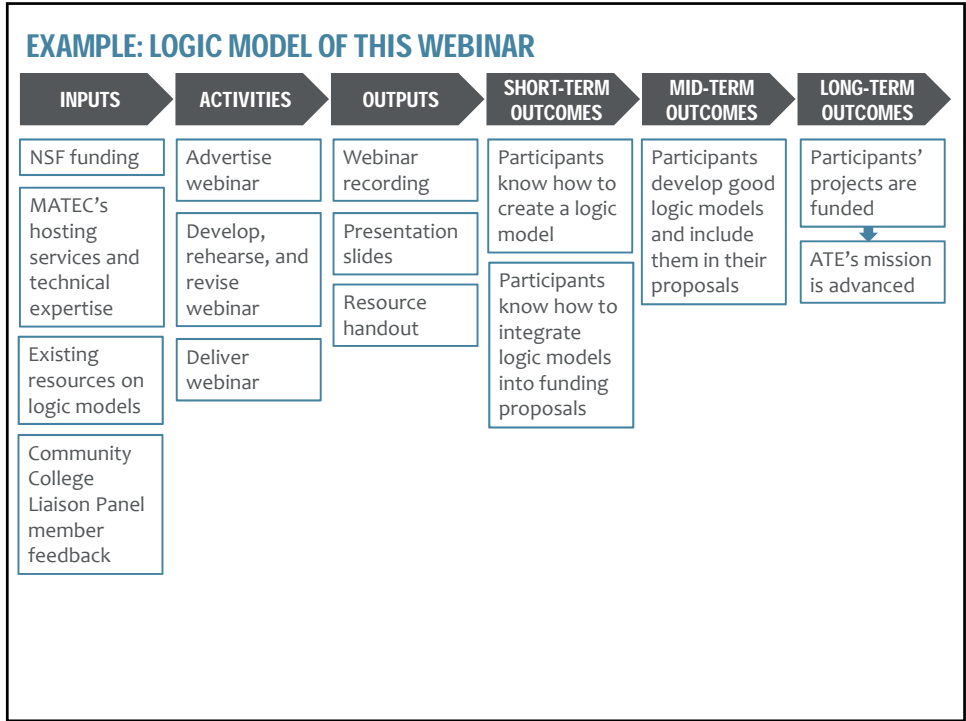
**CREATING A
LOGIC MODEL**

Lori Wingate



**WHAT IS A LOGIC MODEL AND WHY
SHOULD WE CARE**

Logic Models: Getting Them Right and Using Them Well



INPUTS

resources and assets that will be utilized by the project

- Focus on special, important assets
- Be specific

NSF funding
MATEC's hosting services and technical expertise
Existing resources on logic models
Community College Liaison Panel member feedback

ACTIVITIES

Advertise webinar

Develop, rehearse, and revise webinar

Deliver webinar

ACTIVITIES

what a project does

- Focus on delivery and development of services and products
- Omit project management/administrative activities
- Be specific
- If there are several activities, group related ones together to illustrate structure

OUTPUTS

Webinar recording

Presentation slides

Resource handout

OUTPUTS

tangible products of activities

- Highlight tangible evidence of service delivery
- Include numbers only if known or certain thresholds are necessary to bring about outcomes

SHORT-TERM OUTCOMES

SHORT-TERM OUTCOMES

Participants know how to create a logic model

Participants know how to integrate logic models into funding proposals

Immediate **changes** brought about by project activities and outputs

- Focus on **changes** in individual-level knowledge, skills, attitudes, or behaviors

MID-TERM OUTCOMES

MID-TERM OUTCOMES

Participants develop good logic models and include them in their proposals

Changes that occur due to short-term outcomes

- Articulate **link** between immediate, individual outcomes to improvements in broader context (long-term outcomes)
- Focus on target audience, not project

LONG-TERM OUTCOMES

Changes in problematic situation that led to creation of project

- Focus on improvements in broader contexts—beyond immediate service recipients
- Frame in terms of addressing the original need for the project

The diagram features a vertical dashed orange line on the right side. At the top, a blue arrow labeled 'LONG-TERM OUTCOMES' points right. Below it, a box contains the text 'Participants' projects are funded'. A downward arrow points to another box containing 'ATE's mission is advanced'.

OUTCOMES

- Represent important changes or improvements
- Realistic
- Logically linked
- Appropriately sequenced
- Are not about the project itself

The diagram shows three blue arrows pointing right, labeled 'SHORT-TERM OUTCOMES', 'MID-TERM OUTCOMES', and 'LONG-TERM OUTCOMES'. Below each arrow is a box with text. Under 'SHORT-TERM OUTCOMES', there are two boxes: 'Participants know how to create a logic model' and 'Participants know how to integrate logic models into funding proposals'. Under 'MID-TERM OUTCOMES', there is one box: 'Participants develop good logic models and include them in their proposals'. Under 'LONG-TERM OUTCOMES', there are two boxes: 'Participants' projects are funded' and 'ATE's mission is advanced'. A downward arrow connects the top box to the bottom box in the 'LONG-TERM OUTCOMES' column.

LOGIC MODEL USES

- Include in funding proposal
- Evaluation planning
- Project management
- Communication to stakeholders

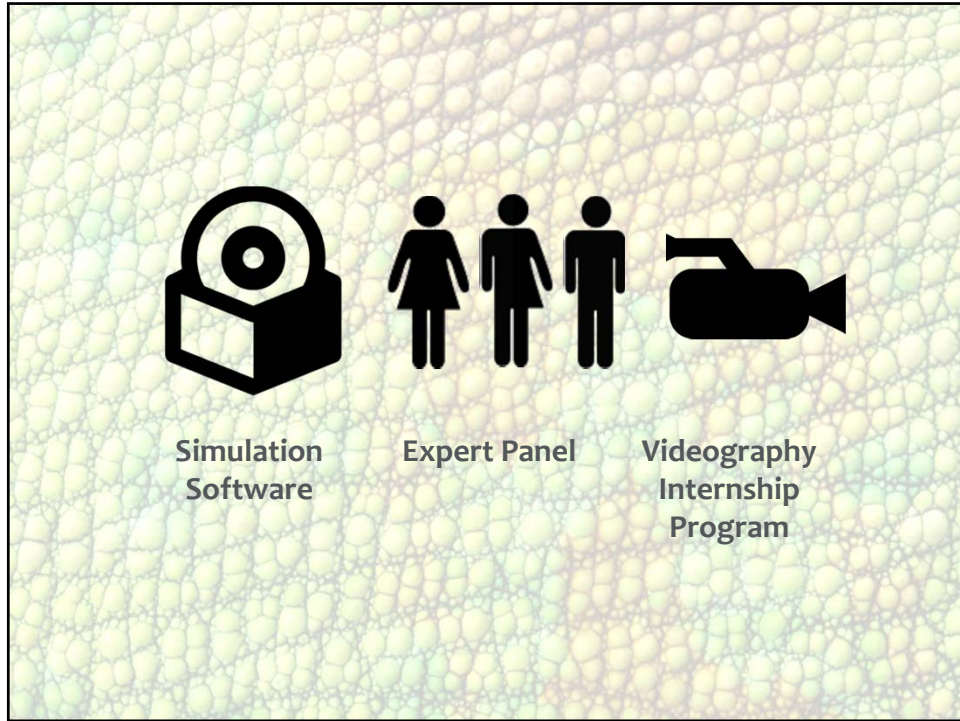
A microscopic image of plant cells, showing a grid-like pattern of green and yellowish cells. The text is overlaid on the center of the image.

**Building a Logic Model for
the Bio-Inspired Solutions to
Human Challenges Project**



Logic Models: Getting Them Right and Using Them Well





<p>Bio-Inspired Solutions to Human Challenges</p> <p>Project Abstract</p> <p>In spite of growing demand for technicians among local manufacturers, Chameleon Community College is experiencing under-enrollment in engineering technology and pre-engineering programs.</p> <p>To address this problem, the college is developing a general education science course about bio-inspired engineering and design that will attract students with undeclared majors to these and other STEM programs.</p>	<p>The main activities include (a) completion of the course curriculum; (b) creation of a short video about bio-inspired engineering; (c) presentations to admissions counselors, advisors, and faculty about the focus and purpose of the course; and (d) outreach to students with undeclared majors.</p> <p>The project will leverage existing resources, including simulation software developed with funding from a prior NSF award, an advisory panel of industry experts, and the college's videography internship program.</p>
--	--

Chat

Bio-Inspired Solutions to Human Challenges

Project Abstract

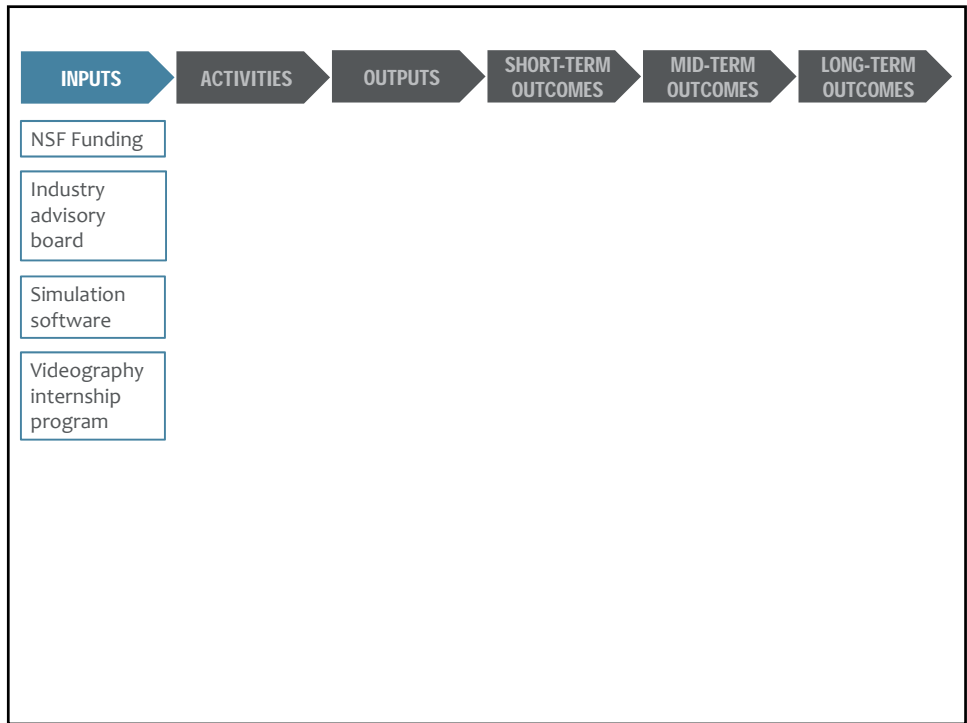
In spite of growing demand for technicians among local manufacturers, Chameleon Community College is experiencing under-enrollment in engineering technology and pre-engineering programs.

To address this problem, the college is developing a general education science course about bio-inspired engineering and design that will attract students with undeclared majors to these and other STEM programs.

The main activities include (a) completion of the course curriculum; (b) creation of a short video about bio-inspired engineering; (c) presentations to admissions counselors, advisors, and faculty about the focus and purpose of the course; and (d) outreach to students with undeclared majors.

The project will leverage existing resources, including simulation software developed with funding from a prior NSF award, an advisory panel of industry experts, and the college's videography internship program.

What are the project's main INPUTS?



Chat

Bio-Inspired Solutions to Human Challenges

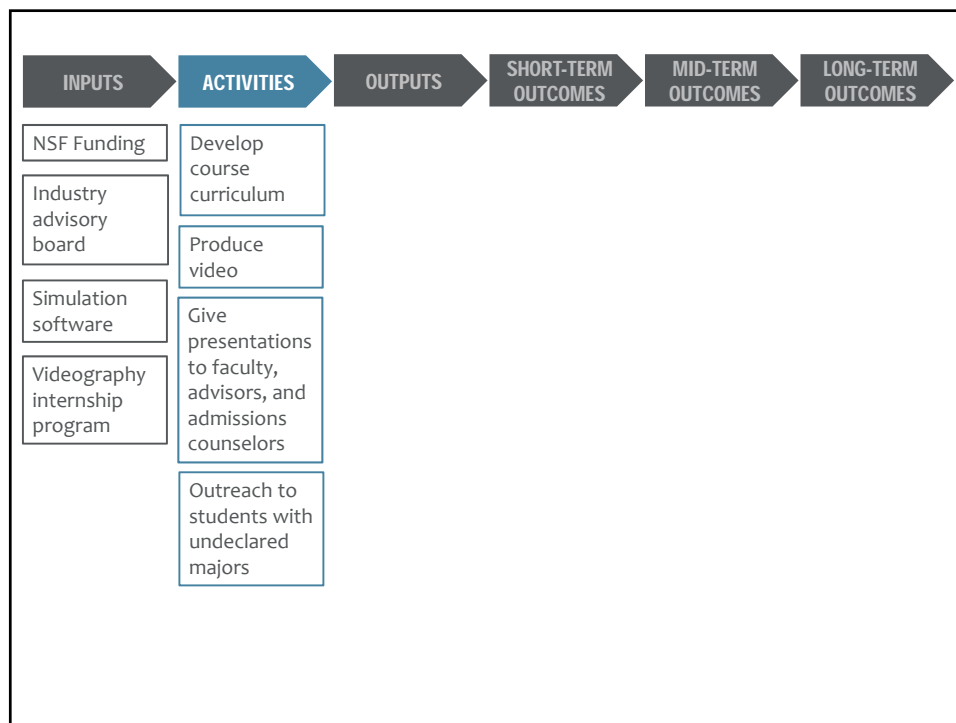
Project Abstract

In spite of growing demand for technicians among local manufacturers, Chameleon Community College is experiencing under-enrollment in engineering technology and pre-engineering programs.

To address this problem, the college is developing a general education science course about bio-inspired engineering and design that will attract students with undeclared majors to these and other STEM programs.

The main activities include (a) completion of the course curriculum; (b) creation of a short video about bio-inspired engineering; (c) presentations to admissions counselors, advisors, and faculty about the focus and purpose of the course; and (d) outreach to students with undeclared majors. The project will leverage existing resources, including simulation software developed with funding from a prior NSF award, an advisory panel of industry experts, and the college's videography internship program.

What are the project's main ACTIVITIES?



Chat

Bio-Inspired Solutions to Human Challenges

Project Abstract

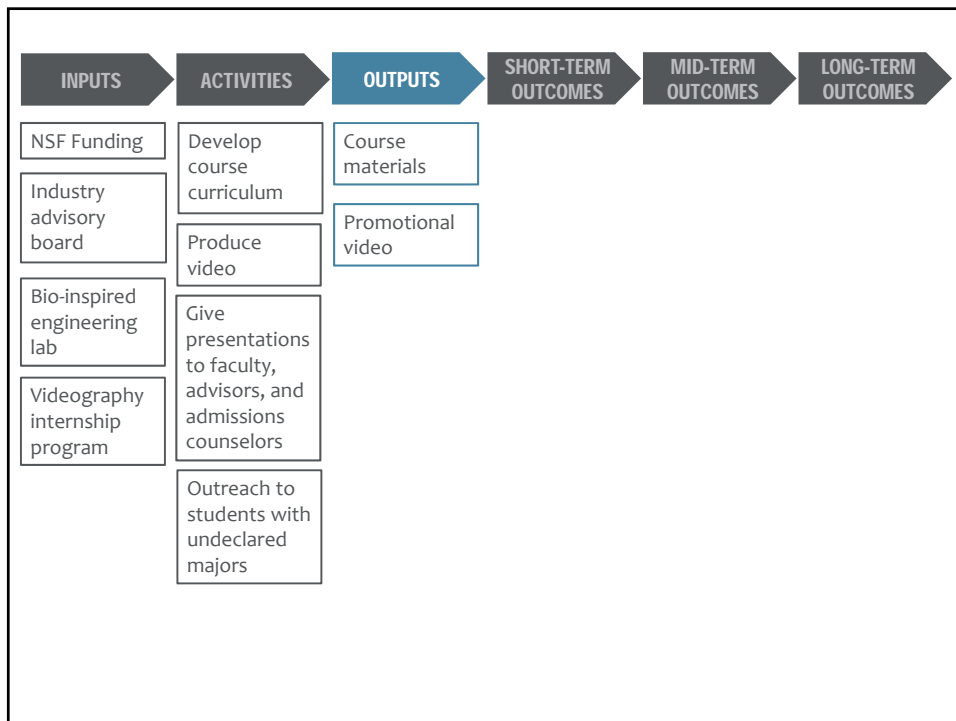
In spite of growing demand for technicians among local manufacturers, Chameleon Community College is experiencing under-enrollment in engineering technology and pre-engineering programs.

To address this problem, the college is developing a general education science course about bio-inspired engineering and design that will attract students with undeclared majors to these and other STEM programs.

The main activities include (a) completion of the course curriculum; (b) creation of a short video about bio-inspired engineering; (c) presentations to admissions counselors, advisors, and faculty about the focus and purpose of the course; and (d) outreach to students with undeclared majors.

The project will leverage existing resources, including simulation software developed with funding from a prior NSF award, an advisory panel of industry experts, and the college's videography internship program.

What are the project's main OUTPUTS?



Chat

Bio-Inspired Solutions to Human Challenges

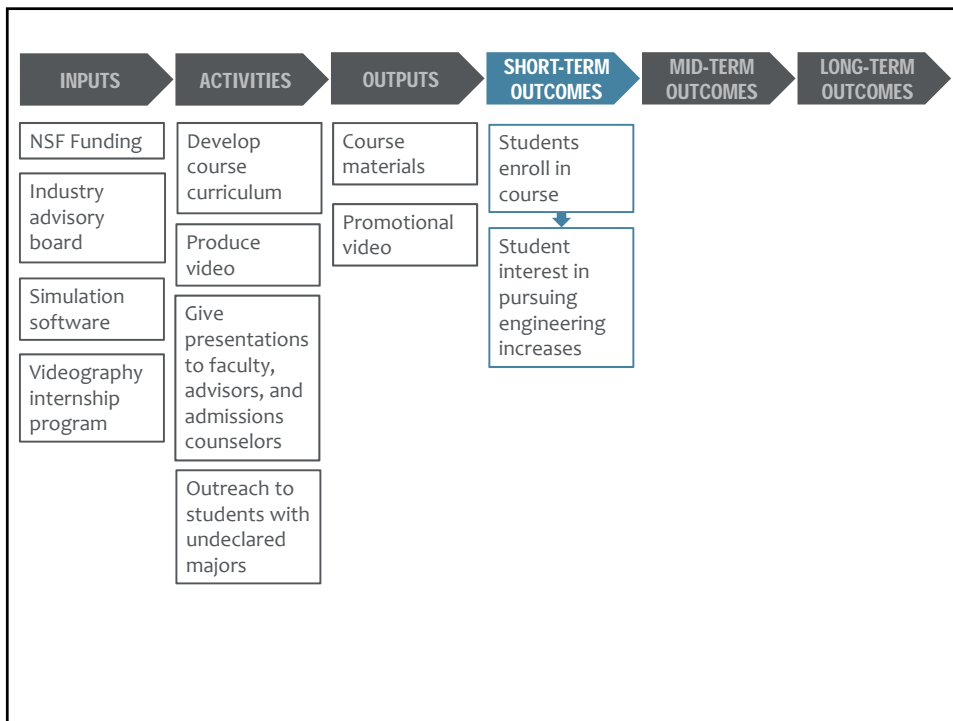
Project Abstract

In spite of growing demand for technicians among local manufacturers, Chameleon Community College is experiencing under-enrollment in engineering technology and pre-engineering programs.

To address this problem, the college is developing a general education science course about bio-inspired engineering and design that will attract students with undeclared majors to these and other STEM programs.

The main activities include (a) completion of the course curriculum; (b) creation of a short video about bio-inspired engineering; (c) presentations to admissions counselors, advisors, and faculty about the focus and purpose of the course; and (d) outreach to students with undeclared majors. The project will leverage existing resources, including simulation software developed with funding from a prior NSF award, an advisory panel of industry experts, and the college's videography internship program.

What are the project's intended SHORT-TERM OUTCOMES?



Chat

Bio-Inspired Solutions to Human Challenges

Project Abstract

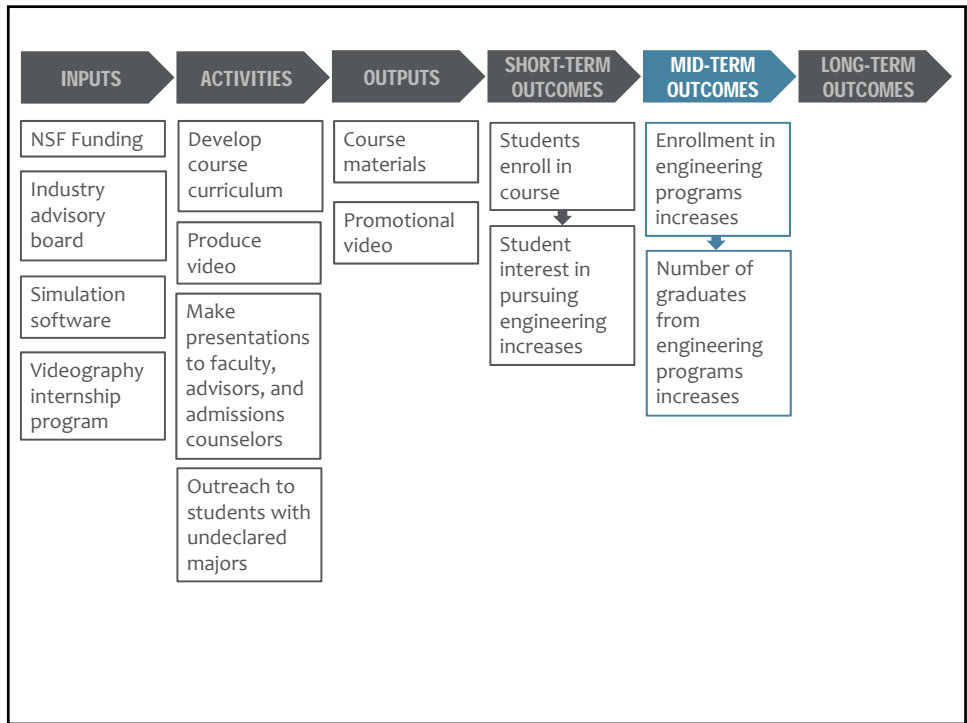
In spite of growing demand for technicians among local manufacturers, Chameleon Community College is experiencing under-enrollment in engineering technology and pre-engineering programs.

To address this problem, the college is developing a general education science course about bio-inspired engineering and design that will attract students with undeclared majors to these and other STEM programs.

The main activities include (a) completion of the course curriculum; (b) creation of a short video about bio-inspired engineering; (c) presentations to admissions counselors, advisors, and faculty about the focus and purpose of the course; and (d) outreach to students with undeclared majors.

The project will leverage existing resources, including simulation software developed with funding from a prior NSF award, an advisory panel of industry experts, and the college's videography internship program.

What are the project's intended MID-TERM OUTCOMES?



Chat

Bio-Inspired Solutions to Human Challenges

Project Abstract

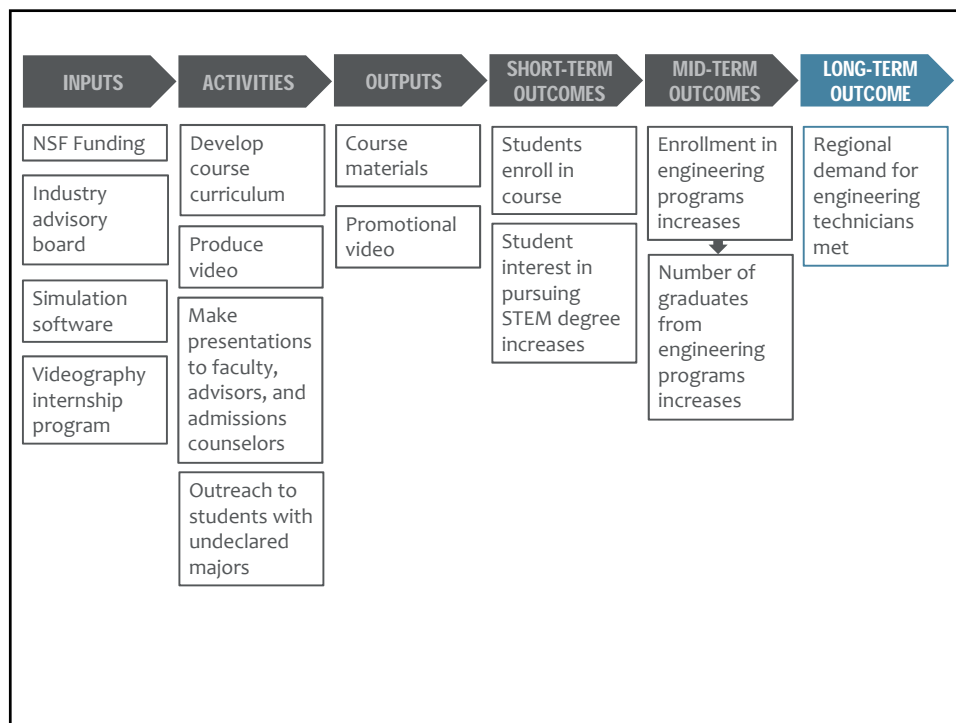
In spite of growing demand for technicians among local manufacturers, Chameleon Community College is experiencing under-enrollment in engineering technology and pre-engineering programs.

To address this problem, the college is developing a general education science course about bio-inspired engineering and design that will attract students with undeclared majors to these and other STEM programs.

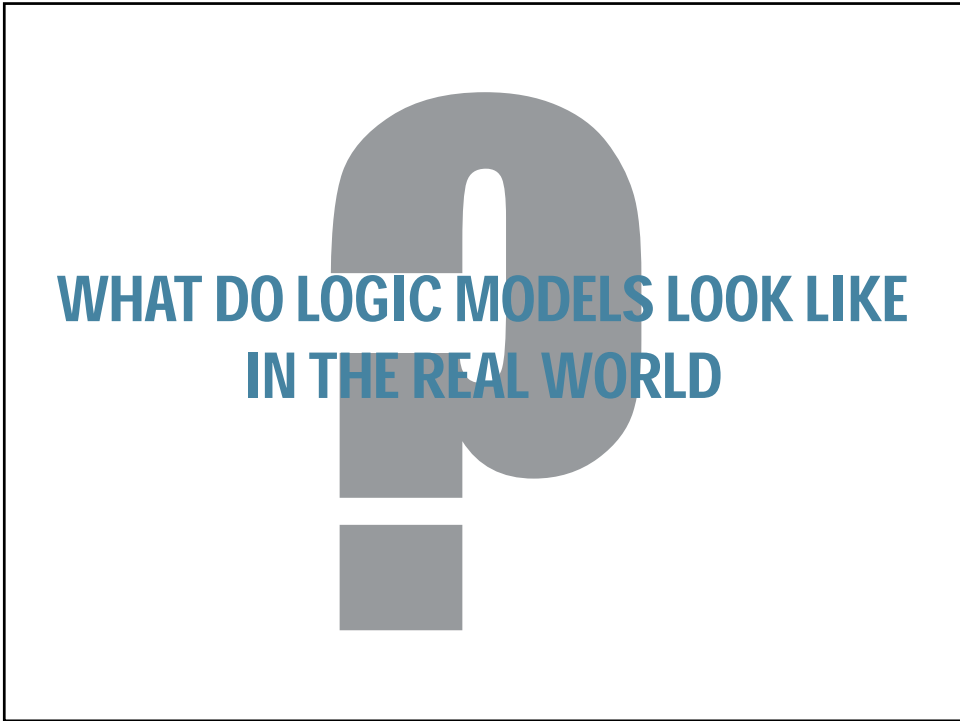
The main activities include (a) completion of the course curriculum; (b) creation of a short video about bio-inspired engineering; (c) presentations to admissions counselors, advisors, and faculty about the focus and purpose of the course; and (d) outreach to students with undeclared majors.

The project will leverage existing resources, including simulation software developed with funding from a prior NSF award, an advisory panel of industry experts, and the college's videography internship program.

What are the project's intended LONG-TERM OUTCOMES?



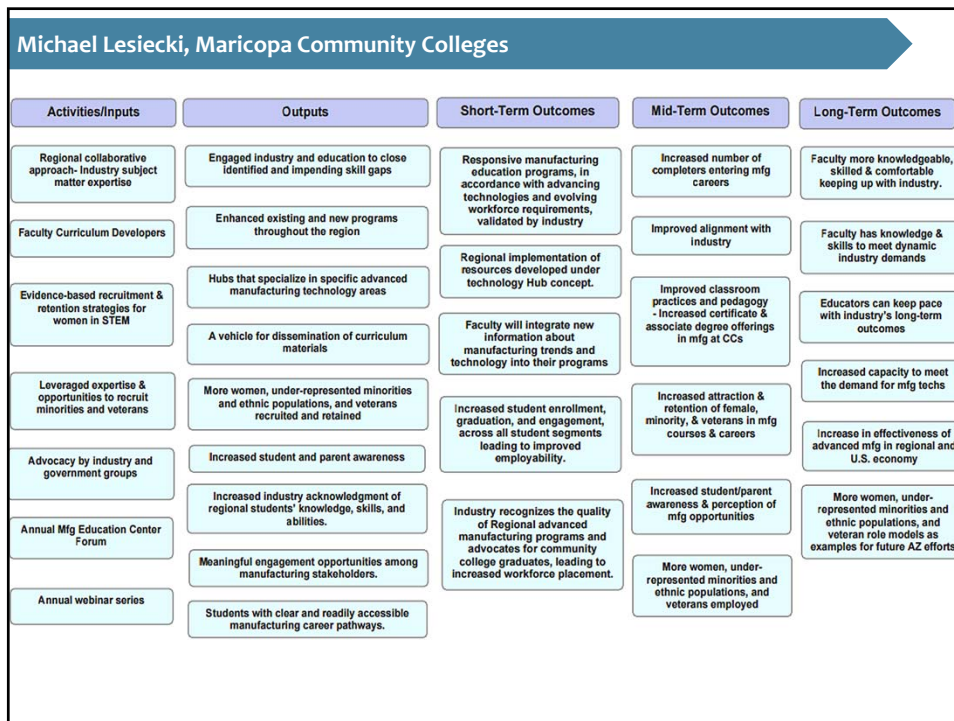
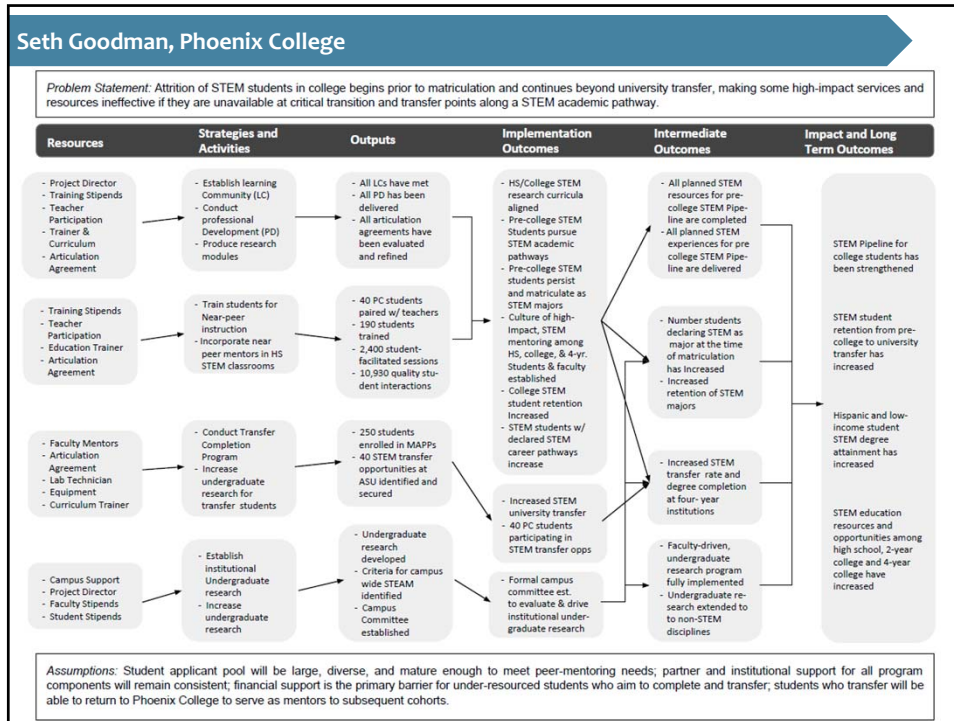
Logic Models: Getting Them Right and Using Them Well



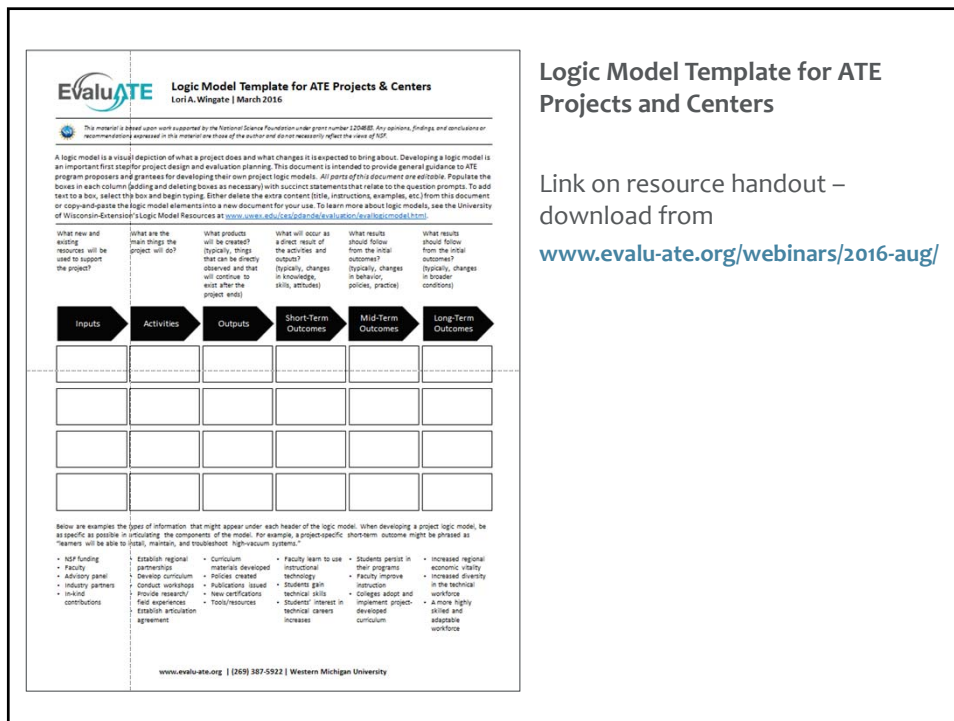
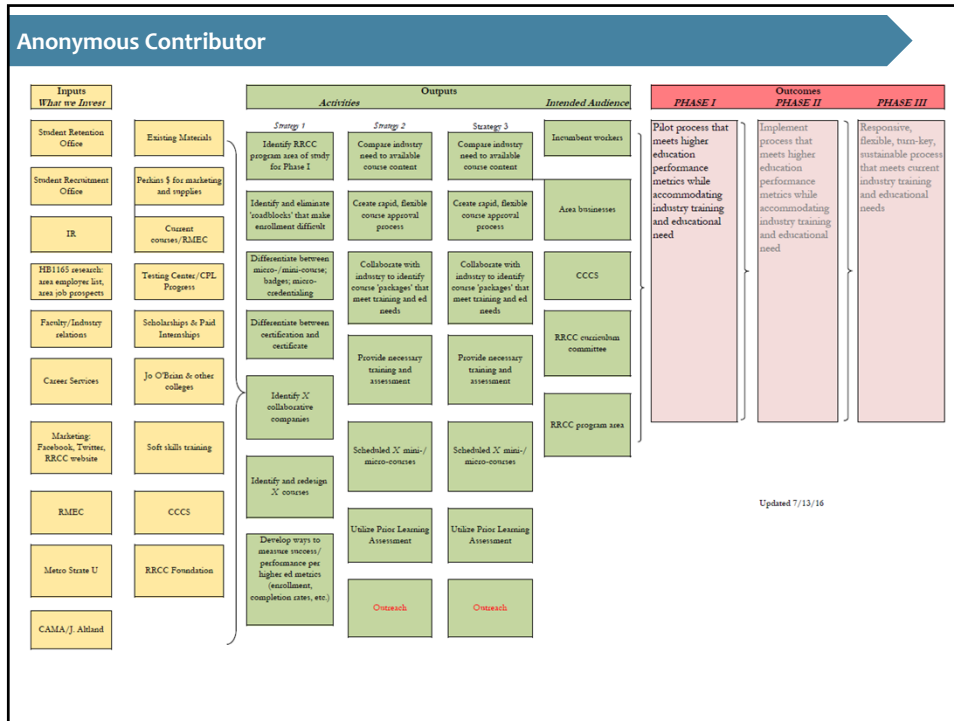
Felix Alba, Salt Lake Community College

Inputs/ Resources	Activities /Tasks	Outputs / Deliverables	Short-Term Outcomes	Mid-Term Outcomes	Long-Term Outcomes
<ul style="list-style-type: none"> Needs Assessment & Networking Development Survey tool List of experts Interview strategy 	<ul style="list-style-type: none"> Conduct Survey Recruit faculty & students Conduct interviews Analyze Survey and interviews 	<ul style="list-style-type: none"> Prioritize curricula from findings Publicize needs assessment on QCS/CCS website 	<ul style="list-style-type: none"> Establish a baseline for industry needs & standards with the survey and interview results 	<ul style="list-style-type: none"> Use data as the framework for the pilot QCS/CCS curricula design 	<ul style="list-style-type: none"> Needs assessment findings are accepted as industry standards Researchers present and publish on the QCS/CCS model
<ul style="list-style-type: none"> Faculty Training Teach-Flipped MOOC QKD platform technology installed QCS Learning Lab setup 	<ul style="list-style-type: none"> Revise Teach-Flipped MOOC for QCS faculty Learning Lab used for training All participating faculty complete training 	<ul style="list-style-type: none"> Completed Curricula Complete MOOC & technical training Collect/analyze training data 	<ul style="list-style-type: none"> Faculty are prepared to teach in a flipped format and know how to integrate the QKD platform 	<ul style="list-style-type: none"> Due to positive impact, more faculty interested & recruited Faculty translate the flipped model and QKD platform to other courses 	<ul style="list-style-type: none"> Utah QCS/CCS coalition becomes a national/international model Curricula are marketed as QCS professional development
<ul style="list-style-type: none"> Pilot Curricula Students recruited for SLCC pilot Piloted/revise Curricula Class observations by CTLE & O&ELS 	<ul style="list-style-type: none"> Curricula built in LMS Rubrics created Complete pilot courses Collect feedback, focus groups, interviews, and classroom observations 	<ul style="list-style-type: none"> Data analysis of pilot courses Completed courses student evaluation Revise courses based on pilots 	<ul style="list-style-type: none"> Successful implementation of pilot courses Pilot data used to revise course Successful course used to recruit students for next courses 	<ul style="list-style-type: none"> Word of mouth referrals increase students' interest and registration Students taking SLCC course continue on to University course 	<ul style="list-style-type: none"> Increase in post-NSF financial support Increased QCS national reputation Increase in other cross-discipline teaching
<ul style="list-style-type: none"> QCS Student Outcomes Pre- & post-knowledge instrument Student learning assessments ready 	<ul style="list-style-type: none"> Collected data from students, faculty, and course analytic system Analyzed data from students, faculty, and course analytic system 	<ul style="list-style-type: none"> Courses successfully completed by students Students move onto the next course in series 	<ul style="list-style-type: none"> Students report QCS increased knowledge and skills confidence Students grades align to their perceived learning 	<ul style="list-style-type: none"> Increased # of QCS students in QCS Pathway Higher retention rate of QCS/CCS students Better academic performance for QCS students than non-QCS students 	<ul style="list-style-type: none"> Students are being hired and retained based on QCS knowledge, skills and dispositions as a result of participation in QCS program
<ul style="list-style-type: none"> Inter-institutional Collaboration Participants in the study willing to be part of the interdiscipline collaboration research 	<ul style="list-style-type: none"> Compile formative data on collaboration Conduct end-of-grant interviews for cross-institutional collaboration & synergy 	<ul style="list-style-type: none"> Data Analysis for K-12 with College collaboration Cross-Institutional findings shared with stakeholders on QCS website 	<ul style="list-style-type: none"> Faculty and students are actively engaged across the 3 levels of QCS courses 	<ul style="list-style-type: none"> Establishment of a cross-institutional culture of collaboration Increased number of presentations and publications across the 3 QCS course levels 	<ul style="list-style-type: none"> Other programs establish pathways from high school to college Other successful K-12 - College pathway grants result from this QCS project

Logic Models: Getting Them Right and Using Them Well



Logic Models: Getting Them Right and Using Them Well





**INTEGRATING A LOGIC MODEL
INTO A FUNDING PROPOSAL**

Lori Wingate

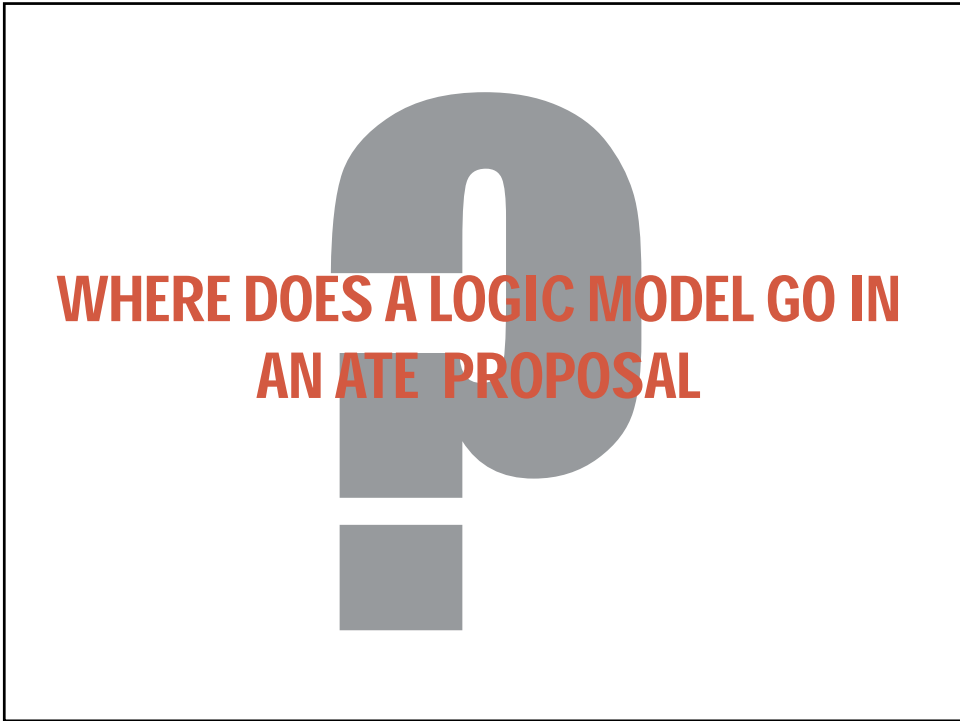
LOGIC MODEL USES

Include in funding proposal

Evaluation planning

Project management

Communication to stakeholders



NSF PROPOSAL COMPONENTS	
<input type="checkbox"/> Cover Sheet	
<input type="checkbox"/> Project Summary	
<input type="checkbox"/> Project Description	Put here if it will not displace critical information within the 15 pages
<input type="checkbox"/> References Cited	
<input type="checkbox"/> Budget & Budget Justification	
<input type="checkbox"/> Current & Pending Support	
<input type="checkbox"/> Facilities, Equipment & Other Resources	
<input type="checkbox"/> Supplementary Documents	Otherwise, put here

NSF GRANT PROPOSAL GUIDE

“ Except as specified below, special information and supplementary documentation must be included as part of the Project Description (or part of the budget justification), if it is relevant to determining the quality of the proposed work.”



If it is important that reviewers see it, do not put it in Supplementary Documents.

Reviewers are not required to review supplementary documents.

Supplementary Documents

CAUTION!

**WHAT IS THE RELATIONSHIP
BETWEEN A LOGIC MODEL AND
A PROJECT DESCRIPTION
IN A PROPOSAL?**

NSF PROPOSAL COMPONENTS

□

Project Description

Your logic model must correspond to your narrative description of:

- Results of Prior Support
- Rationale
- Activities, Deliverables, Objectives & Goals**
- Timetable
- Management Plan
- Roles & Responsibilities of the PI, co-PI(s), Other Senior Personnel
- Plan for Sustainability
- Evaluation Plan
- Dissemination Plan

ACTIVITIES

Develop course curriculum

Produce video

Give presentations to faculty, advisors, and admissions counselors

Outreach to students with undeclared majors

Project Description

Bio-Inspired Solutions to Human Challenges

Vestibulum laoreet ultrices velit, non consequat augue scelerisque ac. Nam sollicitudin ullamcorper felis, quis suscipit nisi egestas in. Vivamus aliquam nisi quis libero dignissim suscipit. Nullam malesuada id enim nec ultrices. Mauris id magna orci. Praesent tristique metus et lorem condimentum, ut cursus risus vestibulum. Sed quis ligula a erat maximus commodo. Nam elementum auctor mauris pretium dapibus. Nam lorem ligula, aliquam non sagittis sit amet, pellentesque et tellus. Ut quis efficitur enim.

ACTIVITIES

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean pretium nunc lacus, molestie volutpat dui lacinia ut. Etiam ut congue sapien. Morbi at egestas sem.

Curriculum Development

Sed porta, mauris eget elementum suscipit, turpis est congue ligula, eget rutrum justo ante a dui. Integer lacus tellus, pellentesque nec ultricies id, congue vitae est. Mauris non interdum nibh. Nullam ut cursus risus vestibulum. Mauris id magna orci. Praesent tristique metus et lorem condimentum, ut cursus risus vestibulum.

Video Production

Suspendisse commodo tempus. Nam augue mi, tempus sed orci non, efficitur lobortis augue. Sed ut quam ut urna consectetur volutpat. Suspendisse potenti. Donec sagittis mollis elit, in ultrices lectus scelerisque blandit. Aliquam eget lectus maximus, tempor nisi a, dapibus ipsum. Suspendisse vitae tellus consectetur, fringilla ipsum non, cursus neque.

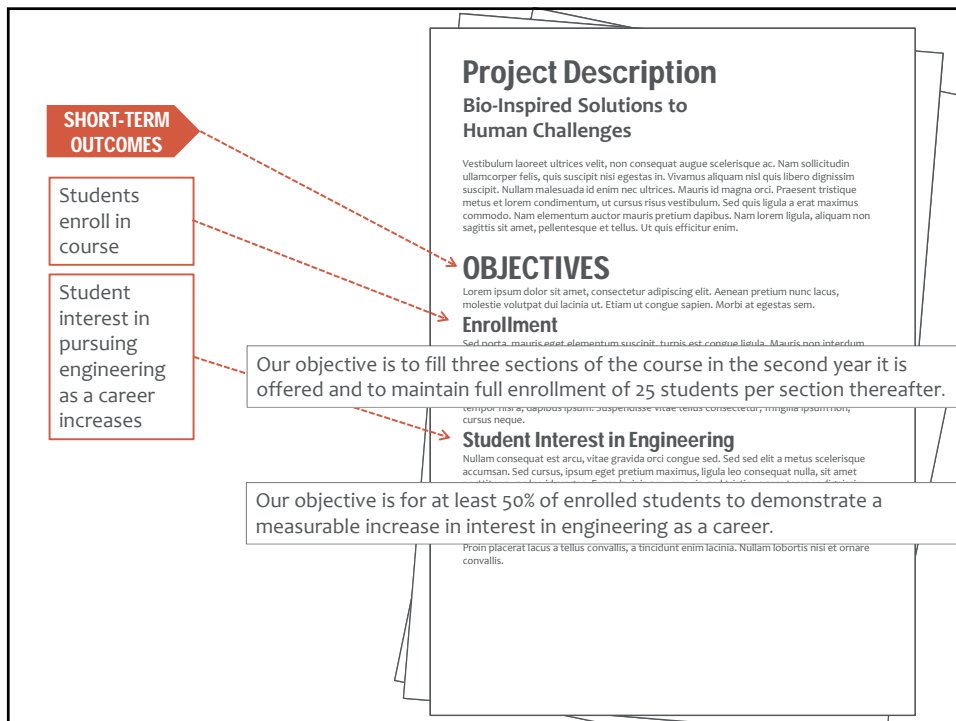
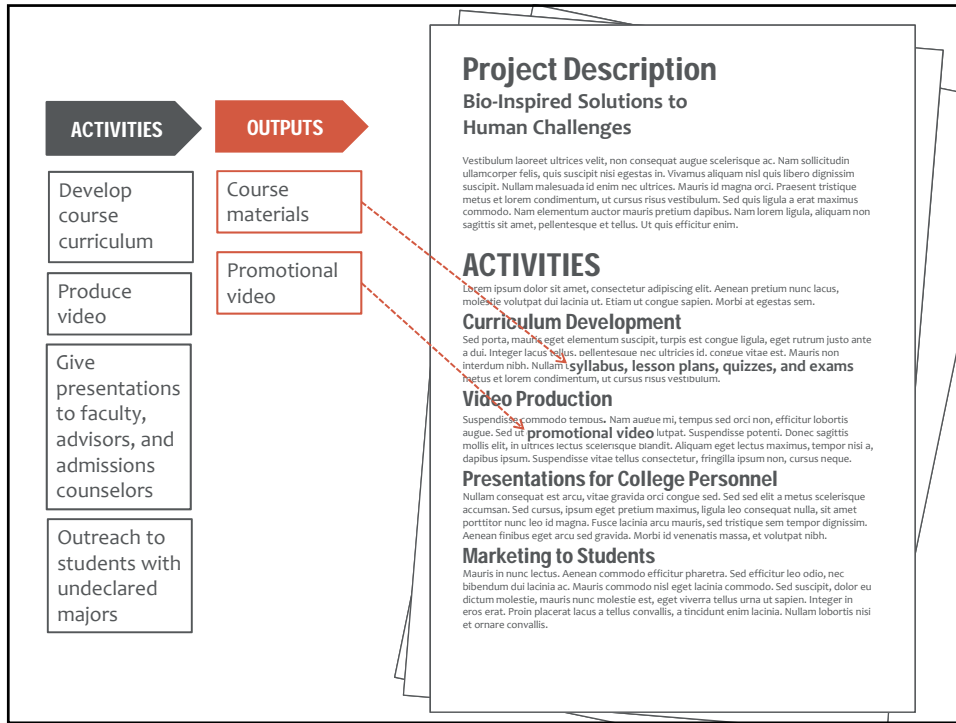
Presentations for College Personnel

Nullam consequat est arcu, vitae gravida orci congue sed. Sed sed elit a metus scelerisque acurmsan. Sed cursus, ipsum eget pretium maximus, ligula leo consequat nulla, sit amet porttitor nunc leo id magna. Fusce lacinia arcu mauris, sed tristique sem tempor dignissim. Aenean finibus eget arcu sed gravida. Morbi id venenatis massa, et volutpat nibh.

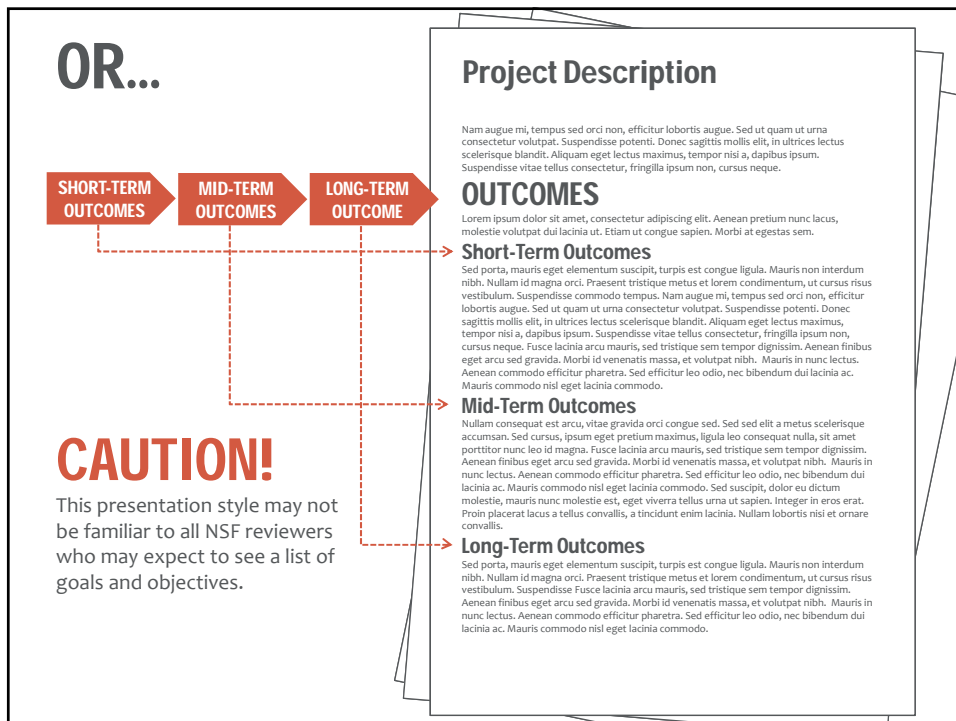
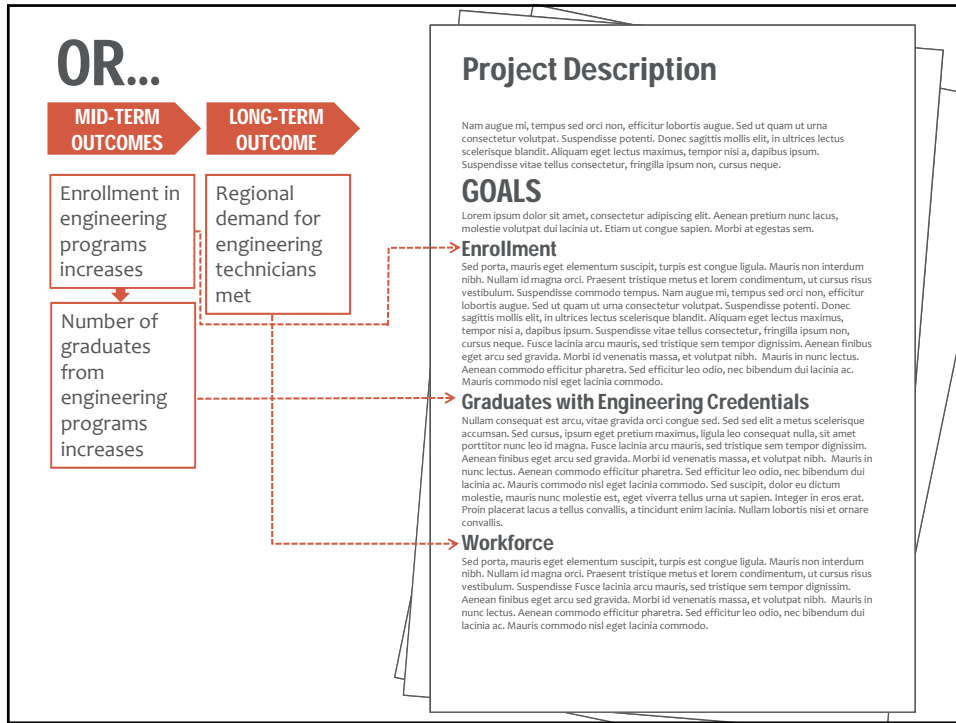
Marketing to Students

Mauris in nunc lectus. Aenean commodo efficitur pharetra. Sed efficitur leo odio, nec bibendum dui lacinia ac. Mauris commodo nisl eget lacinia commodo. Sed suscipit, dolor eu dictum molestie, mauris nunc molestie est, eget viverra tellus urna ut sapien. Integer in eros erat. Proin placerat lacus a tellus convallis, a tincidunt enim lacinia. Nullam lobortis nisi et ornare convallis.

Logic Models: Getting Them Right and Using Them Well



Logic Models: Getting Them Right and Using Them Well



ONE SIMPLE RULE

Narrative project description should include *all elements of logic model.* ↔ All major activities, deliverables, goals, etc. in narrative should appear in logic model.

NSF PROPOSAL COMPONENTS

- Project Description
 - Results of Prior Support
 - Rationale
 - Activities, Deliverables, Objectives & Goals
 - Timetable
 - Management Plan
 - Roles & Responsibilities of the PI, co-PI(s), Other Senior Personnel
 - Plan for Sustainability
 - Evaluation Plan**
 - Dissemination Plan

Align evaluation questions and data collection plan to logic model elements ←

NSF PROPOSAL COMPONENTS

□ Project Description

- Results of Prior Support
- Rationale
- Activities, Deliverables, Objectives & Goals
- Timetable
- Management Plan
- Roles & Responsibilities of the PI, co-PI(s), Other Senior Personnel
- Plan for Sustainability
- Evaluation Plan

Should be reflected in ACTIVITIES section of logic model

Dissemination Plan



BONUS!

More info to help with your ATE proposals

Lori Wingate

Logic Models: Getting Them Right and Using Them Well

Webinar Handout

LOGIC MODELS

Getting them right and using them well

August 17, 2016
The slides and recording for this webinar are available at <http://www.evaluate.org/webinars/2016-aug/>

TO LEARN MORE ABOUT LOGIC MODELS

The **Logic Model Template for ATE Projects and Centers** was developed by EvaluateATE and includes question prompts and examples tailored to the National Science Foundation's Advanced Technological Education (ATE) program. www.evaluate.org/resources/lm-template/

The **Logic Models for Program Design, Implementation, and Evaluation: Workshop Toolkit** was created by the Education Development Center for the Institute of Education Sciences. It includes case examples, templates, and guidance for both logic model workshop facilitators and participants. <http://bit.ly/ies-im>

The University of Wisconsin Extension's Program Development and Evaluation unit has a large collection of **resources on logic models**, including examples, templates, and a free, self-directed online course. <http://bit.ly/uwe-lm>

The **W.K. Kellogg Foundation Logic Model Development Guide** provides in-depth information about developing logic models and using them in evaluation. <http://bit.ly/wkkgf-lm>

TO LEARN MORE ABOUT DEVELOPING EVALUATION PLANS FOR ATE PROGRAMS

The **Evaluation Planning Checklist for ATE Proposals** identifies all the places in an ATE proposal where you will need information regarding your project's evaluation with related guidance and links to additional resources. <http://bit.ly/evalplanning-checklist>

EvaluateATE's August 2015 webinar, **Evaluation: Don't Submit Your ATE Proposal Without It**, provides detailed information on how to develop evaluation plans for ATE proposals. The webinar recording and presentation slides are available. <http://www.evaluate.org/webinars/2015-aug/>

EvaluateATE's **Results from Prior NSF Support Checklist** identifies what NSF requires in a description of results from previous NSF funding and includes EvaluateATE's recommendations for strengthening this section of a proposal. <http://bit.ly/prior-check>

EvaluateATE's March 2016 webinar, **Small Project Evaluation: Principles and Practices**, includes demonstrations of evaluation budgeting, evaluation question development, creating an evaluation data collection plan, and allocating internal and external evaluation responsibilities. <http://www.evaluate.org/webinars/2016-march/>

This material is based upon work supported by the National Science Foundation under grant number xxxxxxxx. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the presenter(s) and do not necessarily reflect the views of NSF.

www.evaluate.org

5-PAGE CHECKLIST ON ATE PROPOSAL EVALUATION PLANS

Evaluation Resource Center for
Advanced Technological Education

Evaluation Planning Checklist for NSF-ATE Proposals

Lori Wingate | August 2015









This material is based upon work supported by the National Science Foundation under Grant No. 1204683. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

This checklist is intended to be of assistance to prospective ATE principal investigators in developing evaluation plans for proposals to the National Science Foundation's Advanced Technological Education (ATE) program. It is organized around the components of an NSF proposal (see the [NSF Grant Proposal Guide](#)) with an emphasis on the evaluation aspects. This document is not intended to serve as a comprehensive checklist for preparing an ATE proposal, but to provide guidelines for those elements that involve evaluation. All proposers should carefully read the [ATE Program Solicitation](#). For additional guidance related to developing ATE proposal evaluation plans, see [10 Helpful Hints](#) and [10 Fatal Flaws: Writing Better Evaluation Sections in Your Proposals](#).

Proposal Component	What you need to do	What you need to know
PROJECT SUMMARY (1 page)	<input type="checkbox"/> Prepare a 1-page project summary that specifically addresses the NSF Intellectual Merit and Broader Impacts criteria.	In addition to the NSF-wide Intellectual Merit and Broader Impacts criteria, the ATE program has additional ones, some of which are about evaluation, that are specified in the program solicitation. You are unlikely to have enough space to address all criteria in the project summary, so focus on the ones most relevant to your proposal. Resource: NSF's Revised Merit Review Criteria Resources for the External Community
PROJECT DESCRIPTION (15 pages total)	Develop a coherent narrative describing your work and relevant background. Sections include: <ul style="list-style-type: none"> <input type="checkbox"/> Results from Prior NSF Support* <input type="checkbox"/> Rationale <input type="checkbox"/> Goals, Objectives, Deliverables, Activities <input type="checkbox"/> Timetable <input type="checkbox"/> Management Plan <input type="checkbox"/> Roles and Responsibilities of the PI, co-PI(s), and Other Senior Personnel <input type="checkbox"/> Plan for Sustainability <input type="checkbox"/> Evaluation Plan* <input type="checkbox"/> Dissemination Plan 	It is important that all elements of the project description, including the evaluation plan, convey a coherent plan that supports your initial claims about the project's intellectual merit and broader impacts (see above). *Results from Prior NSF Support and Evaluation Plan are the Project Description sections that must include evaluation elements. What should be included in these sections is described below. You may wish to include evaluation activities or deliverables in other areas, such as the Timetable and Management Plan, as appropriate. For helpful information related to sustainability and dissemination, refer to ATE Central's Handbook and Outreach Kit .

WEBINAR ON INTEGRATING EVALUATION INTO ATE PROPOSALS

Words of Wisdom

 <small>Penny Blinn Evaluator REGS Consulting</small>	 <small>Connie Della-Pina Program Officer NSF</small>	 <small>Leslie Goodyear Principal Research Scientist, EDC</small>	 <small>Michael Lesiecki Executive Director MATEC</small>
 <small>Gerhard Selinger former ATE program co-head, NSF</small>	 <small>Jacqueline Reasick Grants Specialist, Virginia Western Community College</small>	 <small>Lana Rucks Evaluator The Rucks Group</small>	 <small>Elizabeth Teles former ATE program co-head, NSF</small>

Evaluation: Don't Submit Your ATE Proposal Without It August 2015

- Webinar recording
- Presentation slides

RESULTS FROM PRIOR NSF SUPPORT CHECKLIST



if a PI or co-PI for an NSF proposal has received NSF funding in the past five years, information on the results of that funding must be included in the proposal, whether it relates to the current proposal or not. This section of the proposal is called Results from Prior NSF Support; details about what should be included are provided in the NSF Grant Proposal Guide (<http://www.nsf.gov/pubs/grantguide>). The following is a synopsis of NSF's requirements and EVALUATE's suggestions for this section of an ATE proposal.

REQUIREMENTS

- Limit to 6 pages or less
- Make it the first section of your proposal. If the proposal is for the renewal of an ATE center, it may be uploaded as a supplementary document rather than presented in the 10-year project description.
- Describe research and development products and how they have been made available to others
- Clearly indicate the prior project's
 - Title
 - NSF award number
 - Period of support
- Present results using these exact, distinct headings:
 - Intellectual Merit
 - Broader Impacts
- Provide complete bibliographic citations for all publications developed with NSF support, either in the narrative or in the separate references document. If there were no publications, state "No publications were produced under this award."

SUGGESTIONS

- Provide a brief factual account of what the project did, created, and who was engaged. A list of activities or deliverables is not sufficient evidence of intellectual merit or broader impacts, but it is important for reviewers to understand the nature and scope of your prior work.
- Present as much hard evidence as possible in describe the project's intellectual merit and broader impacts.
- Be forthright about what didn't work and lessons learned.
- Describe how the current proposal is building on the prior project's results.
- Describe what aspects of previously funded work are being sustained without NSF support.

www.evalu-ate.org

Required and recommended elements of descriptions of prior NSF support

WEBINAR ON SMALL PROJECT EVALUATIONS

Bio-Inspired Solutions to Human Challenges Project Budget

Category	Cost
Salaries & Fringe Benefits	\$103,500
Equipment	\$12,000
Materials	\$20,000
Travel	\$3,600
Other – Evaluation Consultant	\$13,910
Modified Total Direct Costs	\$153,010
Indirect Costs (30%)	\$45,903
TOTAL PROJECT COST	\$198,913

Total direct costs before external evaluation = \$139,100
X 10% = \$13,910

Small Project Evaluation: Principles and Practices

March 2016

- Webinar recording
- Presentation slides
- Resource handout

Including demonstrations of

- evaluation budgeting
- evaluation question development
- creating an evaluation data collection plan
- allocating internal and external evaluation responsibilities



Tips for a strong NSF proposal evaluation plan

by Leslie Goodyear

WWW.EVALU-ATE.ORG/BLOG

THANK YOU!



www.evaluate.org