COLLEGE OF ARTS AND SCIENCES
NEW PROGRAM REVIEW FORM

	Chair's Signature	Recommendation	Review Date
Department	Steve Black	Approve	2013-11-12
Division	Susan Bjerke	Approve	2013-11-12
Dept. of Educ. (If relates to teacher certification program.)	N/A		
Dean	Laura Stephenson	Approve	2013-11-12
Curriculum Committee	Karen Camarda	Approve	2013-11-25
Accepted by CFC	Shaun Schmidt	Approve	2014-01-28
CAS Faculty	Bruce Mactavish	Approve	2014-02-21

Approved By:	Faculty Senate	University Faculty	WU Board of Regents

1. Title of Program.

   Associate of Science Degree in Engineering-Physics

2. Rationale for offering this program.

   From the Washburn University Strategic Plan (WBoR approved 4/9/2010) "Strategic Theme IV, Goal A.6. Increase opportunities for Washburn to provide leadership in the training and development of the region's workforce."

   The primary group of students to be served are engineering transfer students. Students pursuing an engineering degree complete the equivalent of two years of coursework before transferring to engineering school. At Washburn University, this engineering transfer coursework is more than sufficient in quantity and rigor to warrant the awarding of an Associate of Science degree. Currently, the vast majority of engineering transfer students leave Washburn University with no degree to show for their body of work completed.

   A student who completes the degree will have completed the following courses:

   PS 281 General Physics I 5 credits
   PS 282 General Physics II 5 credits
   WU 101 The Washburn Experience 3 credits
   EG 250 Statics 3 credits
   EG 351 Dynamics 3 credits
   MA 151 Calculus I 5 credits
   MA 152 Calculus II 5 credits
   MA 153 Calculus III 3 credits
   MA 241 Differential Equations 3 credits
   MA 301 Linear Algebra 3 credits

CH 151 Fundamentals of Chemistry I 5 credits
CN 150 Public Speaking 3 credits
EN 101 Freshman Composition 3 credits
Social Science Electives 6 credits
Humanities Elective 3 credits
Optional Course I 3 credits
Optional Course II 3 credits
total 64 credits

Optional courses
PS 320 Electromagnetic Theory 3 credits
PS 334 Thermodynamics 3 credits
EG 116 Engineering Graphics 3 credits
EG 360 Mechanics of Materials 3 credits

3. Exact proposed catalog description.

Under "THE MAJOR"

To major in Engineering-Physics with an Associate of Science Degree, one must satisfactorily complete Physics 281 and 282, Engineering 250 and 351, Washburn Experience 101, and two courses from Physics 320, 334 or Engineering 116, 360. The required correlated courses in Mathematics and Statistics are 151, 152, 153, 241, and 301. Additional required correlated courses are chemistry 151 and Communications 150.

4. List and financial implications.

None

Dep[illegible]ent
New Program Name

Program Name	Associate of Science Engineering Physics										
Revenue:	Year 0 - Preparation	AY14-15		AY15-16		AY16-17		AY17-18		AY18-19	
		# Students	# Cr Hrs	# Students	# Cr Hrs	# Students	# Cr Hrs	# Students	# Cr Hrs	# Students	# Cr Hrs
Est. Students/Cr Hrs	15	15		20		25		25		25	
Total Credit Hours	0	0		0		0		0		0	
Tuition Rate											
Other Revenue Sources											
Total Revenue	0	$0		$0		$0		$0		$0	
Ongoing Expenses:	Year 0 - Preparation	Year 1	FTE	Year 2	FTE	Year 3	FTE	Year 4	FTE	Year 5	FTE
1 st Faculty Member											
Benefits (25%)											
2nd Faculty Member											
Benefits (25%)		AS Engineering Physics uses existing costs for BA, BS Physics,									
3rd Faculty Member		there is no additional cost for the AS Engineering Physics									
Benefits (25%)											
(Continue to add as needed)											
Secretary											
Benefits (25%)											
Adjunct Faculty											
Student stipends											
Supplies											
Marketing											
Travel											
Online Course Development											
Professional Development											
Accreditation/Membership											
Support Materials											
Total Expenses	-	-		-		-		-		-	
Total Net Revenue	$ -	$ -		$ -		$ -		$ -		$ -	
One-time Startup Costs	Year 0 - Preparation	Year 1		Year 2		Year 3		Year 4		Year 5	
Furniture											
Office Equipment											
Computer/Software											
Other Electronic Hardware		AS Engineering Physics uses existing costs for BA, BS Physics,									
Renovation		there is no additional cost for the AS Engineering Physics									
Program Equipment											
Initial Accreditation Costs											
Program Development											
Membership											
Release Time to Develop											
Consultant											
Site Visit											
Inservice/Preservice Prep											
Footnotes:											