

SENATE PROGRAM PROPOSAL FORM for:			(Do not write in this space)											
• CHECK ONE: <input type="checkbox"/> Add, <input checked="" type="checkbox"/> Change, <input type="checkbox"/> Combine, <input type="checkbox"/> Drop, <input type="checkbox"/> Archive • CHECK ONE: <input type="checkbox"/> Degree program, <input type="checkbox"/> Minor, <input checked="" type="checkbox"/> Certificate, <input type="checkbox"/> Emphasis area			ROUTING:											
From: Mathematics and Computer Science Department Approved By: Prabhakar Rao Department Chair Date: 10/08/12			Academic Affairs Graduate School (if applicable)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Initials</th> <th style="width: 50%;">Date</th> </tr> <tr> <td style="text-align: center;">BAT</td> <td style="text-align: center;">12/18/12</td> </tr> <tr> <td style="text-align: center;">MTA</td> <td style="text-align: center;">2/1/13</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Initials	Date	BAT	12/18/12	MTA	2/1/13				
Initials	Date													
BAT	12/18/12													
MTA	2/1/13													
From: Arts and Sciences School or College Approved By: Ronald E. Yasbin Dean Date: 12/11/12			Senate C & I Reported to Senate Academic Affairs											
Title of Degree, Minor, or Certificate Program: Certificate in Actuarial Studies														
Page(s) and year of the current Bulletin listing.														
If other departments are affected by this proposal, please secure “sign-offs” and indicate for each department the following:														
Department	Contact Person	Phone #												
1. Economics	Don Kridel	x5550	Proposal received: <input checked="" type="checkbox"/> No major objections, <input type="checkbox"/> Objections											
2. Finance	Thomas Eyssell	x6273	Proposal received: <input checked="" type="checkbox"/> No major objections, <input type="checkbox"/> Objections											
3.			Proposal received: <input type="checkbox"/> No major objections, <input type="checkbox"/> Objections											
Current Bulletin listing:		Proposed Bulletin listing:		Rationale:										
<p>Actuaries use the tools of economics, finance, and mathematics to evaluate and price risk. They are employed by insurance companies, pension funds, consulting firms, and a variety of other financial institutions. The actuarial profession has consistently been ranked as one of the most desirable professions in which to be employed. To become an actuary one must satisfy certain educational requirements, pass exams offered by the Society of Actuaries, and complete professional courses.</p> <p>The Certificate in Actuarial Studies is designed to provide the education needed for entry level employment in the actuarial profession. Those who complete the certificate will satisfy the Validation by Educational Experience requirement of the Society of Actuaries and be prepared to take the first two actuarial examinations (P and M).</p>		<p>Actuaries use the tools of economics, finance, and mathematics to evaluate and price risk. They are employed by insurance companies, pension funds, consulting firms, and a variety of other financial institutions. The actuarial profession has consistently been ranked as one of the most desirable professions in which to be employed. To become an actuary one must satisfy certain educational requirements, pass exams offered by the Society of Actuaries, and complete professional courses.</p> <p>The Certificate in Actuarial Studies is designed to provide the education needed for entry level employment in the actuarial profession. Those who complete the certificate will satisfy the Validation by Educational Experience requirement of the Society of Actuaries and be prepared to take the first two actuarial examinations (P and M).</p>												

<p>Completion of the certificate requires the following courses. Please note that many of these courses have prerequisites so anyone pursuing the certificate should work carefully with an academic advisor.</p> <p>Required Courses:</p> <p>MATH 4200, Mathematical Statistics I MATH 4210, Mathematical Statistics II MATH 4010, Financial Mathematics I MATH 4020, Financial Mathematics II FINANCE 3500, Financial Management FINANCE 3521, Financial Engineering: Applying Derivatives</p>	<p>Completion of the certificate requires the following courses. Please note that many of these courses have prerequisites so anyone pursuing the certificate should work carefully with an academic advisor.</p> <p>Required Courses:</p> <p>FINANCE 3500, Financial Management FINANCE 3521, Financial Engineering: Applying Derivatives MATH 4010, Financial Mathematics I MATH 4020, Financial Mathematics II MATH 4200, Mathematical Statistics I MATH 4210, Mathematical Statistics II</p> <p>Residency Requirement: Of the above required six courses at least five must be taken at the University of Missouri-St. Louis</p>	<p>Courses reordered to put in curricular designation/course number order</p> <p>Since the certificate involves certification by the University of Missouri-St. Louis it is appropriate that a candidate have taken the preponderance of coursework at this university.</p>
--	---	---