TABLE OF CONTENTS

		Pages/Section	Page #
PRO	DJECT SUMMARY	1	i
TABLE OF CONTENTS		1	ii
PROJECT DESCRIPTION		15	1
I.	Objectives & Significance of Career Plan	2	1
II.	Research Plan	11	2
	A. Background & Objectives	2	2
	B. Preliminary Results & Prior Research Accomplishments	2	4
	C. Measurement of Interactions in Interfacial Colloidal Systems	2	6
	D. Simulation and Analysis of Interfacial Colloidal Systems	1	8
	E. Manipulation of Colloidal Interactions using Polymeric Forces	1	9
	F. Manipulation of Self Assembly on Physicochemical Templates	1	10
	G. Manipulation of Driven Assembly using Applied Fields	1	11
III.	Education Plan	4	12
	A. Background & Objectives	1	12
	B. Preliminary Results & Prior Education Accomplishments	1	13
	C. Visualization in a Colloids Complex Fluids/Nanotechnology Cou	rse 1	13
	D. Visualization in Outreach and Dissemination	1	14
	E. Scholarly Evaluation of Visualization Tools	1	15
	F. Synergy of Integrated Research & Education Plans	1	15
V	References Cited	v	v