

Student Name	Grant Bauman	Student	ID_******	
Doctoral	_ Degree in _Che	mical Engineering		
Thesis Title:				
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Have you perfo	ormed research in	volving human subjects which req	juires approval from the	
Institutional Re	amental Investigation into 3-D Printed Liquid Crystalline Elastomers: Orientation, blogy, and Stimulus-Response you performed research involving human subjects which requires approval from the utional Review Board (IRB)? Yes _X_ No rotocol Number you used live animals, animal tissue, or observational animal work which requires approval the Institutional Animal Care and Use Committee (IACUC)? Yes _X_ No C Protocol Number In the final copy of thesis/dissertation for committee review. While formatting changes may quested by the Graduate School, the content of the attached document should be final.			
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IACUC Protocol Number				
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Approvals:				
Committee Cha	air Name <u>Timoth</u>	y White		
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The final copy of this thesis has been examined by the signatories, and we find that both the content and the form meet acceptable presentation standards of scholarly work in the above-mentioned discipline.