## Certificate of Departmental Approval PhD Degree Program Fall 2021 in Chemical and Biomolecular Engineering

Name:	JHU ID:
Faculty Advis	60r:
Graduation <b>I</b>	Date:
Degree Re	quirements:
_	ree is awarded for original research performed under the guidance of a thesis ormal requirements for this degree are:
course  Comple  Serve a  Comple  Attend and att  Success  Comple by the  Comple eng.jhu Applic  Success http://g	
<ul> <li>□ 540.602</li> <li>□ 540.615</li> <li>□ 540.605</li> <li>□ 540.674</li> <li>□ 540.673</li> </ul>	Metabolic Systems Biotechnology Interfacial Science with Applications to Nanoscale Systems (not offered AY 21-22) Modern Data Analysis and Machine Learning Advanced Separation and Purification Processes in Practice Advanced Chemical Reaction Engineering in Practice Molecular Chemical Kinetics and Catalysis
requirements l	ify that has satisfied all of the academic aid down by the Department for granting a PhD in the Department of Chemical ar Engineering.

Date

Advisor's Signature