JOHNS HOPKINS UNIVERSITY			G W C WHITING SCHOOL OF ENGINEERING Baltimore, MD 21218 www.jhu.edu/registrar				UNDERGRADUATE INTERNAL TRANSCRIPT		
Student Name Oh, Richard J			Hopkins ID F08A71	Date of Birth 12/29/xxxx	JHU Degree and Date	e Conferred			Date Printed 5/22/2019
Year of Study Senior	Major Chemical & Biomol Eng	ecular	Advisor Gerecht, Sharon						Page 1 of 3
Other Major(s)				Minor(s)					
XXXXX				xxxxx					
DIV	DEPT CRSE #	COURSE	ETITLE		CRSE GRADE AREA	CREDITS	GPA CREDITS	GPA PTS	

DIV	<u>DEPT</u>	CRSE#	COURSE TITLE	CRSE AREA	GRADE	CREDITS	GPA CREDITS	GPA PTS
Fall 2			Advanced Placement Examination					
	MATH		Calculus BC AS.110.108	_Q		4.0		
	MATH		Calculus BC AS.110.109	_Q		4.0		
	PHYS		Physics C- Mech (Lab I waived) AS.171.101	EN		4.0		
	PHYS		Physics C - E&M (Lab II waived) AS.171.102		,	0.0		
	BIOL		Biology (Lab I Waived) AS.020.151	N	//	3.0		
	BIOL		Biology (Lab II Waived) AS.020.152	N	1./	3.0		
	APPM		Statistics EN.550.111	EQ	TOTAL	$\frac{4.0}{22.0}$		
				1	IOIAL	22.0		
	=		THE	~.				
Fall 2		020 101				nolecular En		0.0
AS	CHEM	030.101	Introductory Chemistry I	N 	<u>S</u>	3.0	0.0	0.0
AS	CHEM	030.105	Intro Chemistry Lab I	N	S	1.0	0.0	0.0
AS	MATH	110.202	Calculus III	Q	S	4.0	0.0	0.0
AS	PHYS	171.102	General Physics: Phys Sci Maj II	EN	S	4.0	0.0	0.0
AS	PHYS	173.112	General Physics Lab II	N	S	1.0	0.0	0.0
AS	PSYC	200.141	Foundations of Brain, Behavior and Cognition	NS	S	3.0	0.0	0.0
EN	CHBE	540.101	Chemical Eng Today	E	S	1.0	0.0	0.0
			TERM GPA 0.00		TOTAL	17.0	0.0	0.0
			CUM GPA 0.00		TOTAL		0.0	0.0
			Dean's List					
Sprin	g 2016			Chem	ical & Bion	nolecular En	g	
AS	CHEM	030.102	Intro Chemistry II	N	A-	3.0	3.0	11.1
AS	CHEM	030.106	Intro Chemistry Lab II	N	A-	1.0	1.0	3.7
ĀŠ	ENGL	060.114	Expository Writing	H	В	* 3.0	3.0	9.0
ĀŠ	MATH	110.302	Diff Equations/Applic	\bar{Q}	Ā-	4.0	4.0	14.8
ĒΝ	CHBE	540.303	Transport Phenomena I	Ē	A+	3.0	3.0	12.0
EN	CHBE	540.522	Independent Research		A+	3.0	3.0	12.0
-=			TERM GPA 3.68		TOTAL	17.0	17.0	62.6
			CUM GPA 3.68		TOTAL	17.0	17.0	62.6
			Dean's List					
Fall 2	0016			Cham	ical & Rion	nolecular En	œ	
AS	CHEM	030.205	Organic Chemistry I	N	A-	4.0	g 4.0	14.8
ĀŠ	CHEM	030.203	Chem Chirality: Intro Org Chem Lab	- <u>1</u>	A	3.0	3.0	12.0
EN	APPM	550.310	Prob/Stat-Phys Sci & Eng	EQ	-A -A+	4.0	4.0	16.0
	CHBE				(Fr/900	4.0		
EN	СНВЕ	540.304	Transport Phenomena II	E	A		4.0	16.0
EN		540.501	Independent Research	-EXI	A+	3.0	3.0	12.0
EN	ELEC	520.219	Fields, Matter & Waves	EN	A	3.0	3.0	12.0
			TERM GPA 3.94 CUM GPA 3.83		TOTAL	21.0	21.0	82.8
			CUM GPA 3.83		TOTAL		38.0	145.4
			Dean's List					
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XXXXX				XXXXX					

DIV	<u>DEPT</u>	CRSE#	COURSE TITLE	CRSE AREA	GRADE	CREDITS CI	GPA REDITS	GPA PTS
Snri	ng 2017			Chem	nical & Rion	nolecular Eng		
AS	BPHY	250.253	Protein Engineering and Biochemistry Lab	N	A-	3.0	3.0	11.1
ĀŠ	CHEM	030.206	Organic Chemistry II	N	C+	0.0	0.0	0.0 R
ĀŠ	PSYC	200.133	Intro Social Psychology	S	A	3.0	3.0	12.0
ĒΝ	CHBE	540.202	Intro Chem & Bio Process	 E	A-	4.0	4.0	14.8
ĒN	CHBE	540.307	Cell Biology for Engineers	N	A-/	3.0	3.0	11.1
EN	CHBE	540.503	Independent Research	~~	A	1.0	1.0	4.0
		3 10.303	TERM GPA 3.79	#	TOTAL	14.0	14.0	53.0
			CUM GPA 3.82 Dean's List	1	TOTAL	10	52.0	198.4
Fall	2017		TOHL	Chem	nical & Bion	nolecular Eng		
AS	BIOL	020.303	Genetics	N	A	3.0	3.0	12.0
AS	BIOL	020.305	Biochemistry	N	A	4.0	4.0	16.0
EN	CHBE	540.203	Engineering Thermodynamics	Е	B+	3.0	3.0	9.9
ΕN	CHBE	540.305	Modeling and Statistical Analysis	Е	A+	3.0	3.0	12.0
			TERM GPA 3.84		TOTAL	13.0	13.0	49.9
			CUM GPA 3.82		TOTAL		65.0	248.3
Spri	ng 2018				nical & Bion	nolecular Eng		
EN	CHBE	540.301	Kinetic Processes	Е	A-	3.0	3.0	11.1
EN	CHBE	540.306	Chem & Bio Separation	Е	A	3.0	3.0	12.0
EN	CHBE	540.428	Supramolecular Mats/Nanomed	Е	A	3.0	3.0	12.0
EN	CLED	661.315	Culture of Engineering Profession	S	A-	* 3.0	3.0	11.1
			TERM GPA 3.85		TOTAL	12.0	12.0	46.2
			CUM GPA 3.82		TOTAL		77.0	294.5
Fall	2018			Chem	nical & Bion	nolecular Eng		
AS	PHYS	171.310	Biological Physics	N	A+	4.0	4.0	16.0
EN	CHBE	540.313	Projects in ChemBE Unit Operations	Е	A	* 6.0	6.0	24.0
EN	CHBE	540.409	Dynamic Modeling and Control	EQ	A-	4.0	4.0	14.8
EN	CHBE	540.490	Intro to Chemical Process Safety	Е	A	1.0	1.0	4.0
EN	CHBE	540.511	Group Undergraduate Research		A	2.0	2.0	8.0
EN	CLED	660.400	Practical Ethics for Future Leaders	Н	A	2.0	2.0	8.0
EN	CLED	660.406	Practical Ethics for Future Leaders - Special Topic	Н	A	1.0	1.0	4.0
			TERM GPA 3.94		TOTAL	20.0	20.0	78.8
			CUM GPA 3.85	1	TOTAL		97.0	373.3
			Dean's List		1	2000		
	ng 2019					nolecular Eng		
AS	BIOL	020.316	Cell Biology Lab	N	A-	1.0	1.0	3.7
AS	BIOL	020.374	Comparative Animal Physiology	N	A	3.0	3.0	12.0
AS	BIOL	020.377	Comparative Physiology Lab	N	A	1.0	1.0	4.0
AS	CHEM	030.206	Organic Chemistry II	N	A	4.0	4.0	16.0 R
AS	WRIT	220.108	Introduction - Fiction & Nonfiction	Н	A	* 3.0	3.0	12.0
ĒΝ	CHBE	540.314	ChemBE Product Design	Е	A-	2.0	2.0	7.4
EN	CHBE	540.315	Process Design with Aspen	Е	A	2.0	2.0	8.0
			TERM GPA 3.94		TOTAL	16.0	16.0	63.1
			CUM GPA 3.86		TOTAL		113.0	436.4
			Dean's List					
	CUMUI	LATIVE GPA		3.8	6			

CUMULATIVE GPA TOTAL D/D+ CREDITS

3.86 0.0

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<u>DIV</u> <u>I</u>	DEPT CRSE #	COURSE	TITLE		<u>CRSE</u> <u>GRADE</u> <u>CREDI</u> AREA		GPA GPA EDITS PTS		

TOTAL DEGREE CREDIT REQUIREMENT (based on degree and major)

Total Degree Credit Requirement 128.0 Total Credits Applied 152.0

JHU Credits in Residency Applied (100 required) 130.0 Non-Residency Credits Applied 22.0

Advisors:

Moulton, Linda H 08/27/2015

Ratnanather, John T 01/25/2016 - 05/28/2018 Gerecht, Sharon 08/27/2015 - (Primary Advisor)

General Honors

******End Of Transcript*****

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