MCD Biology BS Requirements			Co	Course offerings are subject to change.							
Lower Division	Requirem	ents									
Calculus:		MATH 16A or 11A or MATH 19A	&		MATH 16B or 11B or MATH 19B						
Guiouiuoi			Ť								
General Chem:		CHEM 3A: General Chemistry (
		CHEM 3B&3BL: General Chemistry w/Lab	OR		CHEM 4B&4BL: Advanced General Chemistry: Mo	lecular	Struct	ture and Reactivity w/Lab			
		CHEM 3C&3CL: General Chemistry w/Lab									
Biology		BIOL 20A: Cell and Molecular Bio (FWS)	&		BIOE 20B: Development and Physiology (FWS)	&		BIOE 20C: Ecology & Evolution (FWS)	&		BIOL 20L: Experimental Bio Lab (FWS)
Organic Chem:		CHEM 8A: Organic Chemistry & (FW)	&		CHEM 8B: Organic Chemistry (WS)						
		CHEM 8L: Organic Chem Lab (FW)									
Statistics:		STAT 5: Statistics (FWS)			STAT 7: Stats for the Biological, Environmental, and	d Healt	h Scie	ences (FWS) &			
			OR		STAT 7L: Stats Lab (FWS)						
				_							
Physics:	ᅱ片		&		PHYS 6B: Introductory Physics II (FWS) 8			PHYS 6C: Introductory Physics III (FW)			
		PHYS 6L: Introductory Physics 1 Lab (FWS)									
After passing the	above qu	alification courses shaded green with a C or better, yo clare by the 6th quarter deadline.	u can	submit	a Petition to Declare. All qualification courses must be	comp	leted I	by the end of the 5th quarter and			
students must p		Declared									
		5554.65									
Upper Division	Courses										
Complete the m	ajor with th	e following:									
	CORE CO	IIDSES.									
	CORE CO	URSES.									
		BIOL 105: Genetics (FWS)									
		BIOL 100: Biochemistry (WS)									
		BIOL 101: Molecular Biology (FS)			CUREs Lab: BIOL 102L: Toxic RNA Lab II /BIOL 10	171 · Sv	ntheti	ic Gane Regulation Lab/RIOL 122K			
		BIOL 101L: Molecular Biology Lab (FWS)	OR								
		BIOL 104L: Coronavirus Bioinformatics Lab									
		BIOL 110: Cell Biology (FWS) BIOL 120: Developmental Biology (S)									
		Diez 120: Borotopinoniai Biology (c)									
	ELECTIVE	ES: 2 UPPER DIVISION ELECTIVES - AT LEAST 1 N	IUST I	BE A E	IOL COURSE						
		BIOE 109: Evolution									
		BIOE 135/L: Plant Physiology/Lab BIOL 111A: Immunology									
		BIOL 112: Virology									
		BIOL 114: Cancer Cell Biology									
		BIOL 115: Eukaryotic Molecular Biology									
		BIOL 117: Global Health & Neglected Diseases BIOL 118: Principles of Human Genetics									
		BIOL 124: Optical Imaging for Biological Research									
		BIOL 125: Intro to Neuroscience									
		BIOL 127: Mechanisms of Neurodegenerative Disea	ise								
		BIOL 130: Human Physiology									
		BME 110: Computational Biology Tools BME 130: Genomes									
		BME 160: Research Programming for Biologists & E	Biocher	nists							
		BME 178: Stem Cell Biology									
		METX 100: Introduction To Microbiology									
		METX 133: Medical Microbiology METX 140: Molecular Biology And Microbial Genetic	cs								
		METX 150: Applied and Enviornmental Microbiology									
		PHYS 180: Biophysics									
		AB COURSE REQUIRED BIOL 100L: Biochemistry Lab	OI		CUREs Lab (SPRING QUARTER ONLY) BIOL 103L: Toxic RNA Lab						
		BIOL 100L: Biochemistry Lab BIOL 105L: Eukaryotic Genetics Lab			BIOL 108L: Synthetic Gene Regulation Lab						
		BIOL 106L: Eukaryotic Genetic Engineering Lab			BIOL 122L: Phage Biology Lab						
		BIOL 109L: Yeast Molecular Genetics Lab			CHEM 160L: Biochemistry Research Laboratory						
		BIOL 115L: Eukaryotic Molecular Biology Lab			CHEM 161L: Chemical Biology Research Laborato	гу					
		BIOL 120L: Developmental Biology Lab BIOL 121L: Environmental Phage Biology Lab									
		BIOL 186L: Undergraduate Research in MCD Biolog	ЭУ								
	DISCIPLIN	NARY COMMUNICATION & COMPREHENSIVE REQ	UIRE	/ENT	ARE SATISFIED BY COMPLETING ONE 5-UNIT LA	B COU	RSE (OR CURES LAB FROM THE ABOVE			
		DC/SENIOR EXIT COMPLETE									
Diago	1011 000 t	25 IICSC General Catalog for more information or	ole-i*	oot!-							