PREMEDICINE, CERTIFICATE

Curriculum

CourseInteRequired CoursesFineBIOL_SCI 201-CNMolecular BiologyBIOL_SCI 202-CNCell BiologyBIOL_SCI 202-CNGenetics and Cellular Processes LaboratoryBIOL_SCI 232-CNMolecular and Cellular Processes LaboratoryBIOL_SCI 232-CNGenetics and Molecular Processes LaboratoryBIOL_SCI 234-CNInvestigative LaboratoryBIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 131-CNFundamentals of Chemistry I& CHEM 131-CNFundamentals of Chemistry Laboratory ICHEM 131-CNFundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry I& CHEM 142-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry LabCHEM 215-BOrganic Chemistry Lab ICHEM 215-Band Organic Chemistry Lab IIPHYSICS 130-CCollege Physics I& PHYSICS 130-CCollege Physics I& PHYSICS 131-Cand Physics Laboratory IIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar I 1PRO_HLTH 396-BProfessional Health Careers Proseminar I 1PRO_HLTH 396-COrganic Chemistry III& CHEM 215-COrganic Chemistry III& CHEM 215-COrganic Chemistry III& PHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-CProfessional Health Careers Proseminar I 1PRO_HLTH 396-C	Courses	Title
BIOL_SCI 201-CNMolecular BiologyBIOL_SCI 202-CNCell BiologyBIOL_SCI 203-CNGenetics and EvolutionBIOL_SCI 232-CNMolecular and Cellular Processes LaboratoryBIOL_SCI 233-CNGenetics and Molecular Processes LaboratoryBIOL_SCI 234-CNInvestigative LaboratoryBIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 131-CNFundamentals of Chemistry I& CHEM 141-CNand Fundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory II& CHEM 215-AOrganic Chemistry Lab& CHEM 215-BOrganic Chemistry Lab ICHEM 215-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IIPHYSICS 131-Aand Physics Laboratory IIPHYSICS 131-Band Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar I ¹ PRO_HLTH 396-BProfessional Health Careers Proseminar III (* Elective course) ¹ Required Elective Course 2ERequired Elective Course 2IRequired Elective Course 2IBIO_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III<	Course	nue
BIOL_SCI 202-CNCell BiologyBIOL_SCI 203-CNGenetics and EvolutionBIOL_SCI 232-CNMolecular and Cellular Processes LaboratoryBIOL_SCI 233-CNGenetics and Molecular Processes LaboratoryBIOL_SCI 234-CNInvestigative LaboratoryBIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 111-CNRudamentals of Chemistry I& CHEM 141-CNand Fundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry Lab& CHEM 215-AOrganic Chemistry Lab ICHEM 215-BOrganic Chemistry Lab ICHEM 215-BOrganic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 130-ACollege Physics I& PHYSICS 130-BCollege Physics II& PHYSICS 130-CCollege Physics III& PHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar I ¹ PRO_HLTH 396-BProfessional Health Careers Proseminar I IPRO_HLTH 396-BProfessional Health Careers Proseminar I IPRO_HLTH 396-CUrganic Chemistry Lab IIIRequired Elective Course IFundamental Careers Proseminar I IRequired Elective Course IHuman PhysiologyCHEM 215-COrgani	•	Malagular Dialogu
BIOL_SCI 203-CNGenetics and EvolutionBIOL_SCI 232-CNMolecular and Cellular Processes LaboratoryBIOL_SCI 233-CNGenetics and Molecular Processes LaboratoryBIOL_SCI 234-CNInvestigative LaboratoryBIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 111-CNFundamentals of Chemistry Laboratory ICHEM 131-CNFundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry LabCHEM 215-BOrganic Chemistry Lab ICHEM 215-BOrganic Chemistry Lab IPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IIPHYSICS 131-Aand Physics Laboratory IIPHYSICS 131-Band Physics Laboratory IIPHYSICS 131-Cand Physics Laboratory IIPHYSICS 130-CCollege Physics II& PHYSICS 131-Cand Physics Laboratory IIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-BProfessional Health Careers Proseminar I 1PRO_HLTH 396-BProfessional Health Careers Proseminar I 1PRO_HLTH 396-BCollege Physics		
BIOL_SCI 232-CNMolecular and Cellular Processes LaboratoryBIOL_SCI 233-CNGenetics and Molecular Processes LaboratoryBIOL_SCI 234-CNInvestigative LaboratoryBIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 131-CNFundamentals of Chemistry I& CHEM 141-CNand Fundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 122-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry LabCHEM 215-BOrganic Chemistry LabCHEM 215-BOrganic Chemistry LabCHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IIPHYSICS 131-Band Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-BProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar IPRO_HLTH 396-BFortexional Health Careers Proseminar IRequired Elective Course 1Elective course 1Required Elective Course 2Elective course 1BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry IIIBIOL_SCI 310-CN		
BIOL_SCI 233-CNGenetics and Molecular Processes LaboratoryBIOL_SCI 234-CNInvestigative LaboratoryBIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 110-CNFundamentals of Chemistry I& CHEM 131-CNFundamentals of Chemistry Laboratory ICHEM 131-CNFundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 142-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry Lab ICHEM 235-Band Organic Chemistry Lab ICHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 130-BCollege Physics II& PHYSICS 130-BCollege Physics III& PHYSICS 130-CCollege Physics IIII& PHYSICS 130-CCollege Physics IIII& PHYSICS 130-CCollege Physics III& CHEM 235-Cand Physics Laboratory IIIPRO_HLTH 396-BProfessional Health Careers Proseminar I ¹ <tr< td=""><td></td><td></td></tr<>		
BIOL_SCI 234-CNInvestigative LaboratoryBIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 131-CNFundamentals of Chemistry I& CHEM 141-CNand Fundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 142-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry LabCHEM 235-Band Organic Chemistry LabCHEM 235-Band Organic Chemistry LabPHYSICS 130-ACollege Physics I& PHYSICS 130-BCollege Physics II& PHYSICS 130-BCollege Physics III& PHYSICS 130-CCollege Physics III& PHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar I ¹ PRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course) ¹ Required Elective Course 1Required Elective Courses 1Required Elective Courses 1Human PhysiologyStudents are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		,
BIOL_SCI 308-CNBiochemistryCHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 131-CNFundamentals of Chemistry I& CHEM 141-CNand Fundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory IICHEM 132-CNFundamentals of Chemistry Laboratory II& CHEM 142-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry LabCHEM 215-BOrganic Chemistry Lab ICHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IPHYSICS 131-Band Physics Laboratory IIPHYSICS 131-Ccollege Physics III& PHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar I 1PRO_HLTH 396-BProfessional Health Careers Proseminar I 1PRO_HLTH 396-BOrganic Chemistry IIIBIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		,
CHEM 110-CNQuantitative Problem Solving in ChemistryCHEM 131-CNFundamentals of Chemistry I& CHEM 141-CNand Fundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory II& CHEM 142-CNand Fundamentals of Chemistry Laboratory II& CHEM 142-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry Lab& CHEM 215-BOrganic Chemistry Lab& CHEM 235-Band Organic Chemistry Lab& CHEM 235-Band Organic Chemistry Lab& CHEM 235-Band Organic Chemistry LabPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IPHYSICS 130-BCollege Physics II& PHYSICS 131-Band Physics Laboratory IIPHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course)Required Elective Course 1ERequired Elective Courses 1Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		5 ,
CHEM 131-CNFundamentals of Chemistry I& CHEM 141-CNand Fundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory II& CHEM 132-CNFundamentals of Chemistry Laboratory II& CHEM 132-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry Lab ICHEM 215-BOrganic Chemistry Lab ICHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 130-BCollege Physics II& PHYSICS 130-BCollege Physics III& PHYSICS 130-CCollege Physics III& PHYSICS 130-CCollege Physics IIII& PHYSICS 130-CCollege Physics IIII& PHYSICS 130-CProfessional Health Careers Proseminar IPRO_HLTH 396-AProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course)Required Elective Course 2Image: Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		,
& CHEM 141-CNand Fundamentals of Chemistry Laboratory ICHEM 132-CNFundamentals of Chemistry Laboratory II& CHEM 142-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry Lab ICHEM 215-BOrganic Chemistry Lab ICHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IIPHYSICS 130-BCollege Physics II& PHYSICS 130-CCollege Physics III& PHYSICS 130-CCollege Physics III& PHYSICS 130-CCollege Physics III& PHYSICS 130-CCollege Physics III& PHYSICS 130-CProfessional Health Careers Proseminar IPRO_HLTH 396-AProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course)Required Elective Course 2Image: Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		
& CHEM 142-CNand Fundamentals of Chemistry Laboratory IICHEM 215-AOrganic Chemistry I& CHEM 235-Aand Organic Chemistry Lab ICHEM 215-BOrganic Chemistry II& CHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IPHYSICS 130-BCollege Physics II& PHYSICS 131-Band Physics Laboratory IIPHYSICS 130-CCollege Physics III& PHYSICS 131-Cand Physics Laboratory IIIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar I ⁻¹ PRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course) ⁻¹ Required Elective Course 1ERequired Elective Course 2EStudents are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		,
& CHEM 235-Aand Organic Chemistry Lab ICHEM 215-BOrganic Chemistry II& CHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IPHYSICS 130-BCollege Physics II& PHYSICS 131-Band Physics Laboratory IIPHYSICS 130-CCollege Physics III& PHYSICS 131-Cand Physics Laboratory IIPHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course)Required Elective Course 1ERequired Elective Course 2FStudents are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		
& CHEM 235-Band Organic Chemistry Lab IIPHYSICS 130-ACollege Physics I& PHYSICS 131-Aand Physics Laboratory IPHYSICS 130-BCollege Physics II& PHYSICS 131-Band Physics Laboratory IIPHYSICS 130-CCollege Physics III& PHYSICS 130-CCollege Physics Laboratory IIIPHYSICS 130-CCollege Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar I (* Elective course)Required Elective Course 1Image: Course (* Course)Required Elective Course 2Image: Course (* Course)Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		
& PHYSICS 131-Aand Physics Laboratory IPHYSICS 130-BCollege Physics II& PHYSICS 131-Band Physics Laboratory IIPHYSICS 131-CCollege Physics III& PHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course)Required Elective Course 1Professional Health Careers Proseminar II (* Elective course)Required Elective Course 2Professional Health Careers Proseminar II (* Elective course)Biol_sci 210-CNHuman PhysiologyBIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		5
& PHYSICS 131-Band Physics Laboratory IIPHYSICS 130-CCollege Physics III& PHYSICS 131-Cand Physics Laboratory IIIPRO_HLTH 396-AProfessional Health Careers Proseminar IPRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course)Required Elective Course 1Professional Health Careers Proseminar II (* Elective course)Required Elective Course 2Professional Health Careers Proseminar II (* Elective course)Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		5,
& PHYSICS 131-C and Physics Laboratory III PRO_HLTH 396-A Professional Health Careers Proseminar I PRO_HLTH 396-B Professional Health Careers Proseminar II (* Elective course) Required Elective Course 1 Professional Health Careers Proseminar II (* Elective course) Required Elective Course 2 Professional Health Careers Proseminar II (* Elective course) Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options: BIOL_SCI 310-CN Human Physiology CHEM 215-C Organic Chemistry III & CHEM 235-C and Organic Chemistry Lab III KINS 237-CN Foundations of Human Movement		5 ,
PRO_HLTH 396-BProfessional Health Careers Proseminar II (* Elective course) 1Required Elective Course 1Required Elective Course 2Required Elective Courses 2Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III and Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		. .
course) 1 Required Elective Course 1 Required Elective Course 2 Required Elective Courses 5 Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options: BIOL_SCI 310-CN Human Physiology CHEM 215-C Organic Chemistry III & CHEM 235-C and Organic Chemistry Lab III KINS 237-CN Foundations of Human Movement	PRO_HLTH 396-A	Professional Health Careers Proseminar I ¹
Required Elective Course 2 Required Elective Courses Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options: BIOL_SCI 310-CN Human Physiology CHEM 215-C Organic Chemistry III & CHEM 235-C and Organic Chemistry Lab III KINS 237-CN Foundations of Human Movement	PRO_HLTH 396-B	
Required Elective CoursesStudents are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement	Required Elective Course 1	
Students are required to take two electives to customize their program to medical school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III & CHEM 235-C& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement	Required Elective Course 2	
school requirements. Choose from the following elective options:BIOL_SCI 310-CNHuman PhysiologyCHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement	Required Elective Courses	
CHEM 215-COrganic Chemistry III& CHEM 235-Cand Organic Chemistry Lab IIIKINS 237-CNFoundations of Human Movement		
& CHEM 235-C and Organic Chemistry Lab III KINS 237-CN Foundations of Human Movement	BIOL_SCI 310-CN	Human Physiology
KINS 237-CN Foundations of Human Movement	CHEM 215-C	Organic Chemistry III
	& CHEM 235-C	and Organic Chemistry Lab III
PRO_HLTH 390 Careers in Professional Health	KINS 237-CN	Foundations of Human Movement

¹ These non-credit seminar courses are required for students beginning the program in or after Summer 2017. These courses are offered free of charge to students in the Professional Health Careers program.