

BS-CLS Medical Laboratory Science Major - Preprofessional Courses - Page 1 of 3

SUBJECT	BLOOMFIELD COLLEGE Dr. Maria Vogt 973-259-3020 x1318 maria_vogt@bloomfield.edu drmvogt@optonline.net	CALDWELL UNIVERSITY Dr. Marjorie Squires 973-618-3612 msquires@caldwell.edu Dr. William A. Velhagen, Jr 973-618-3623 wvelhagen@caldwell.edu	SAINT ELIZABETH UNIVERSITY Dr. Tara Cominski 973-290-4161 tcominski@steu.edu	FAIRLEIGH DICKINSON UNIVERSITY-MADISON Prof. Marilyn Rubin 201-692-2847 rubin@fdu.edu	FAIRLEIGH DICKINSON UNIVERSITY-TEANECK Prof. Marilyn Rubin 201-692-2847 rubin@fdu.edu
Human Physiology	BIO206 Hum Anat & Physiol II (4)	BI207/207L Physiology I Lec/lab (4)	BIO121/BIO123 Anat & Physiol I & II (8)	BIOL1205/1207/1206/1208 Anat & Physiol I & II Lec/Lab (8)	BIOL2237/2239 Human Structure & Function I Lec/Lab (4)
Cell Biology	BIO213 Cell Mol Biol (4)	BI210/210L Cell Biol Lec/Lab (4)	BIO251 Cell Biol (4)	BIOL2003/2004 Cell Biol Lec/Lab (4)	BIOL4240/4241 Mol Cell Biol Lec/Lab (4)
Microbiology	BIO200 Micro (4)	BI315/315L Micro Lec/Lab (4)	BIO209 Micro (4)	BIOL3009/3019 Micro Lec/Lab (4)	BIOL3225/3226 Gen Micro Lec/Lab (4)
Immunology	BIO317 Immunology (4)	BI316/316L Immunology Lec/Lab (4)	BIO415 Immunology (4)	Immunology Lec (3) <i>Please consult with campus advisor</i>	BIOL5306 Immunology (3)
General Chemistry	CHM111/112 Gen Chem I & II (8)	CH111/111L/112/112L Gen Chem I & II Lec/Lab (8)	CHEM151/151L/153/153L Fund Prin Chem I & II Lec/Lab (8)	CHEM1201/1203/1202/1204 Gen Chem I & II Lec/Lab (8)	CHEM1201/1203/1202/1204 Gen Chem I & II Lec/Lab (8)
Organic Chemistry	CHM301/303 Org Chem I Lec/Lab (6)	CH203/203L Org Chem I Lec/Lab (5)	CHEM211/211L Org Chem I Lec/Lab (5)	CHEM2261/2263 Org Chem I Lec/Lab (4)	CHEM2261/2263 Org Chem I Lec/Lab (5)
Biochemistry	BIO/CHM401 Biochem I (4) BIO/CHM404 Biochem Lab (2)	CH401 Biochem (3)*	CHEM323/323L Biochem (4)	CHEM3281/3389 Biochem Lec/Lab (4)	CHEM3281 Biochem Lec (3)*
Pre-Calculus	MTH160 Precalc (4)	MA131 Found Analysis II (3) or MA220 Calc I (4)	MATH149 Precalc (4)	MATH1107 Precalc (4)	MATH1107 Precalc (4)
Statistics	MTH200 Appl Stats I (4)	MA207 Appl Stats I (3)	MATH119 Elem Stats (3)	MATH1133 Appl Stats (3)	PSYC2210 Stats (3)
Other Required Science / Math Courses	BIO111/121 Gen Biol I & II (8) BIO205 Hum Anat & Physiol I (4) – strongly recommended.	BI 101/101L/102/102L Gen Biol I & II Lec/Lab (8) CH204/204L Organic Chemistry II (5) *Biochem lab strongly recommended.	BIO111/113 Fund Biol I & II (8) CHEM213/213L Org Chem II Lec/Lab (5)	BIOL1221/1222 Biological Diversity Lec/Lab (4) BIOL1233/1234 Molecules, Cells, & Genes Lec/Lab (4) CHEM2262/2264 Org Chem II Lec/Lab (4) BIOL1110 Medical & Pathological Terminology (2)	BIOL1221/1222 Biological Diversity Lec/Lab (4) BIOL1233/1234 Molecules, Cells, & Genes Lec/Lab (4) CHEM2262/2264 Org Chem II Lec/Lab (4) BIOL2210/2211 Genetics Lec/Lab (4) *Biochem lab strongly recommended
Electives	12	0	3-6	N/A	N/A
Gen Ed Credits	32 4 credits must meet a Writing Intensive requirement	43	32-36	41	41
Total Preprofessional Credits	96	95	91-92	97	97

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SUBJECT	FELICIAN UNIVERSITY Dr. Patrick Weir 201-559-6059 weirp@felician.edu	GEORGIAN COURT UNIVERSITY Dr. Louise Wootton 732-987-2349 woottonl@georgian.edu	KEAN UNIVERSITY Dr. Roxie A. James 908-737-3581 rjames@kean.edu	MONMOUTH UNIVERSITY Dr. William Schreiber 732-571-4443 wschreib@monmouth.edu Dr. Uzma Imtiaz 732-263-5290 uimtiaz@monmouth.edu	NEW JERSEY CITY UNIVERSITY Dr. John Grew 201-200-3330 jgrew@njcu.edu
Human Physiology	BIO205/206 Anat & Physiol I & II (8)	BI213/214 Human Anat & Physiol I & II (8)	BIO3403/3404 Anat & Physiol I & II (8)	BY211 Physiol with Anatomy I (4) BY212 Physiol with Anatomy II (4)	BIOL236/237 Prin Anat & Physiol I & II (8)
Cell Biology	BIO312 Cell & Mol Biol (4)	BI121 Biological Unity: Cellular Org, Energetics & Function (4)	BIO1300 Biology I (4)	BY110 Intro Cell Molec Bio (4)	BIOL230 Cell Biol (4)
Microbiology	BIO202 Micro (4)	BI219 Micro (4)	BIO3315 Microbiology (3) BIO3315L Microbiology Lab (1)	BY223 Gen Micro (4)	BIOL303 Micro (4)
Immunology	BIO403 Immunology (4)	BI428 Fund Immunology Lec (3)	BIO4316 Immunology lec (3) BIO4316L Immunology lab (1)	BY431 Immunology (3)	BIOL404 Immunology (3)
General Chemistry	CHEM103/104 Gen Chem I & II (8)	CH113/114 Gen Chem I & II (8)	CHEM1083 Chem I (4) CHEM1084 Chem II (4)	CE111/111L/112/112L Gen Chem I & II Lec/Lab (8)	CHEM105/1105/106/1106 Gen Chem I & II Lec/Lab (10)
Organic Chemistry	CHEM201 Org Chem I (4)	CH223 Org Chem I (4)	CHEM2581/2581L Org Chem I Lec/Lab (4)	CE241/241L Org Chem I Lec/Lab (5)	CHEM207/2207 Org Chem I Lec/Lab (4)
Biochemistry	BI/CH360 Biochem (4)	BI437 Biochem I (4)	BCHM4115 Biochemistry (3) BCHM4115L Biochemistry lab (1)	BY310 Biochem and Lab (4)	CHEM307 Biochem I (4)
Pre-Calculus	MATH161 Precalc (4) or MATH262 Calc I (4)	MA110 Precalc (3)	MATH1054 Precalc (3)	MA115 Pre-calc Modeling for the Biological Sciences (3) or MA116 Calc Biol Sci (3)	MATH175 Precalc (4)
Statistics	MATH122 Statistics I (3)	SO201 Social Stats (3) or BI203 Data Collection & Anal Nat Sci (3) or MA103 Making Sense of Data: Statistical Thinking (3)	MATH1016 Stats (3)	MA151 Stats (3)	PSYCH230 Stats (3) or MATH140 Stats (3)
Other Required Sci/Math Courses	BIO103/104 Gen Biol I & II (8)	BI204 Biological Continuity & Change: Genetics & Evolution (4) CH224 Org Chem II (4)	BIO1400 Biology II (4) BIO3709 Genetics (4) BIO4970 Sem Integ Biol (3) CHEM 2582/2582L Org Chem II Lec/Lab (4)	CE242 Org Chem II (3)	BIOL130/131 Prin Biol I & II (8) INTD180 Computer Tools for Sci & Math (3) Biol304 Genetics (4)
Electives	N/A	0-3	N/A	0	N/A
Gen Ed Credits	42	38-43	32	36	33
Total Preprofessional Credits	94	90-93	79	81	88

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SUBJECT	NEW JERSEY INSTITUTE OF TECHNOLOGY Dr. Darshan Desai 973-642-7084 darshan.j.desai@njit.edu	RAMAPO COLLEGE Dr. Rena Bacon 201-684-7727 rbacon@ramapo.edu	RUTGERS-NCAS Dr. Tracy S. Tran 973-353-5542 tstran@rutgers.edu	SAINT PETER'S UNIVERSITY Dr. Leonard Sciorra 201-761-6430 lsciorra@saintpeters.edu Dr. Kathy Wydner 201-761-6438 kwydner@saintpeters.edu
Human Physiology	BIOL340 Mammalian Physiol (4)	BIOL213/215 Anat & Physiol I & II (11)	120:340 Mammalian Physiol (4)	Bi215 Prin Anat & Physiol (4)
Cell Biology	120:355 Cell Biol (3)	BIOL406 Cell & Mol Biol (5.5)	120:355 Cell Biol (3)	Bi240 Cell & Mol Biol (4)
Microbiology	120:335 Gen Micro (4)	BIOL310 Micro (5.5)	120:335 Gen Micro (4)	Bi450 Micro (4)
Immunology	BIOL350 Immunology (3)	BIOL357 Immunology (4)	120:350 Immunology (3)	Bi464 Immunol (3)
General Chemistry	CHEM125/126 Gen Chem I & II (6) CHEM125A/126A Gen Chem Lab (2)	CHEM110/112 Fund Chem I & II (10)	160:115/116/113/114 Gen Chem I & II Lec/Lab (10)	Ch131/132 Gen Chem & Quant Anal I & II (8)
Organic Chemistry	CHEM243/244 Org Chem I & II (6) CHEM244A Org Chem Lab (2)	CHEM205 Essential Org Chem (5)	160:335/331 Org Chem I Lec/Lab (6)	Ch251 Org Chem I (4)
Biochemistry	120:360 Biochem (3) or CHEM473 Biochem (3) CHEM475 Biochemistry Lab (2)	CHEM425 Biochem (4)	120:201/202 Found Biol: Cell & Mol Biol Lec/Lab (4)	Bi240 (see above)
Precalculus	MATH 108 or 110 Precalculus (4) or MATH 138 Gen Calculus (3)	MATH110 Precalc (4) or MATH121 Calc I (4)	640:114 Precalc (4)	Ma133 Calc Life Sciences (4)
Statistics	MATH105 Prob & Stats (3)	PSYC242 Stats (4) or ENSC345 Res Design & Stats (4)	640:211 Prob & Stats (3) or NJIT Math105 Elem Prob & Stats (3)	Ma132 Stats Life Sciences (3)
Other Required Sci/Math Courses	BIOL200 Concepts in Biol (4) BIOL 201/202 Found Biol: Cell & Mol Biol Lec/Lab (4) BIOL205/206 Found Biol: Ecol & Evol Lec/Lab (4) Science elective (3)	BIOL331 Genetics (5.5)	120:200 Concepts Biol (4) 120:205/206 Found Biol: Ecol & Evolution Lec/Lab (4) 160:336 Org Chem II (4) Science Electives (8)	Bi183/186 Gen Biol I & II (8) Science or Math elective (3)
Electives	N/A	6	N/A	N/A
Gen Ed Credits	32	32	30 <i>6 credits must meet a Writing Intensive requirement</i>	48
Total Preprofessional Credits	90	97	91	93

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