

## Bachelor of Science in Health Sciences (BSHS) in Medical Laboratory Sciences

This is the recommended program of study for students planning to obtain a Montgomery College associate's degree and transfer to GW to complete the Bachelor of Science in Health Sciences (BSHS) in Medical Laboratory Sciences.

The BSHS in Medical Laboratory Sciences program prepares students for the Medical Laboratory Science profession, which has a strong job outlook with job growth predicted much faster than the national average, according to the Bureau of Labor Statistics. Medical laboratory scientists function as detectives, investigating and determining the causes of disease. They utilize the latest biomedical instruments and molecular techniques to perform both routine and complex testing. Today's medical laboratory science graduates work in diverse settings including hospital laboratories, physician offices, clinics, commercial and research laboratories, pharmaceutical and biotechnology firms, as well as government and public health facilities. Graduates of the BSHS in MLS are eligible to take national examinations for certification as a medical laboratory scientist, such as those offered by the Board of Certification of the American Society for Clinical Pathology.

GWU Entry Requirement	Montgomery College Accepted Courses [Course ID prior to Fall 14]	# credits	Notes
<p>Students with completion of an accredited MLT/CLT program have fewer prerequisites. Please refer to the program website: <a href="http://smhs.gwu.edu/crl/programs/mls">http://smhs.gwu.edu/crl/programs/mls</a>. FAQs: <a href="http://smhs.gwu.edu/crl/programs/mls/faq">http://smhs.gwu.edu/crl/programs/mls/faq</a></p> <p>Students must have a minimum cumulative GPA of 2.75 and a minimum Science GPA of 2.5.</p> <p>Transferable course work must be completed with a grade of C or higher.</p>			
<b>English Composition</b>	<p><i>English Foundation:</i>            ENGL102 Critical Reading/Writing/Research[EN102]            ENGL103 Critical Reading/Writing/Research at Work[EN109]</p>	<b>3 credits</b>	Students must complete 3 credits.
<b>Biology with Lab</b>	BIOL 150 Principles of Biology I [BI107] BIOL 151 Principles of Biology II [BI108]	<b>8 credits</b>	Students must complete both courses, 8 credits.
<b>Microbiology with Lab</b>	BIOL210 Microbiology[BI203]	<b>4 credits</b>	Student must complete 4 credits.
<b>Chemistry with Lab</b>	CHEM 131 Principles of Chemistry I [CH101] CHEM 132 Principles of Chemistry II [CH102]	<b>8 credits</b>	Students must complete both courses, 8 credits.

<b>Organic Chemistry or Biochemistry</b>	CHEM203 Organic Chemistry I [CH203] CHEM204 Organic Chemistry II [CH204]	<b>3 credits</b>	Students must complete 3 credits.
<b>College Algebra, Statistics, or higher</b>	MATH117 Calculus I [MA116] MATH 165 Precalculus [MA180] MATH 181 Calculus I [MA181] MATH 182 Calculus II [MA182] 200 Level Math Courses	<b>3 credits</b>	Student must complete 3 credits.
<b>Humanities and/or Social Sciences</b>	<i>Art Distribution:</i> ARTT 127 Art Appreciation [AR127] ARTT 200 Art History I[AR107] ARTT 201 Art History II [AR108] ARTT 265 Architectural Hist. I[AR209] ARTT 266 Architectural Hist. II [AR210] ARTT 270 Survey of African Art [AR208] ARTT 272 Survey of Asian Art [AR130] ARTT 275 Italian Renaissance Art [AR235] ARTT 278 American Art [AR219] ARTT 283 American Art Since 1945 [AR220] ARTT 280 Modern Art: Origins & Dev. [AR231] DANC 100 Intro to Dance [DN100] ENGL 235 Film & Literature [EN220] ENGL 264 Intro/Creative Writing/Fiction [EN218] ENGL 272 Intro/Creative Writing/Poetry [EN223] IDES 211 Historic Interiors I [ID211] IDES 212 Historic Interiors II [ID212] MUSC 117 World Music [MU111] MUSC 125 History of Jazz [MU133] MUSC 131 American Popular Humanities: Music [MU136] THET 100 Intro to the Theatre [TH108] TVRA 134 Media Appreciation [TR104] <i>Humanities Distribution:</i> ARAB 101 Elem. Arabic I [AB101] ARAB 102 Elem. Arabic II [AB102]	<b>12 credits</b>	Students must complete 12 credits.

	<p>ASLP 100 American Sign Language I [SL100]  ASLP 110 ASL II [SL110]  CHIN 101 Elem. Chinese I [CN101]  CHIN 102 Elem. Chinese II [CN202]  CHIN 201 Intermed. Chinese I [CN201]  CHIN 202 Intermed. Chinese II [CN202]  ENGL 122 Intro to World Mythology [EN122]  ENGL 190 Intro to Literature [EN190]  ENGL 201 Intro/World Lit. I [EN201]  ENGL 202 Intro/World Lit. II [EN202]  ENGL 205 Asian Literature [EN204]  ENGL 208 Women in Literature [EN208]  ENGL 211 American Lit. I [EN211]  ENGL 212 American Lit. II [EN212]  ENGL 213 British Lit. I [EN213]  ENGL 214 British Lit. II [EN214]  ENGL 220 The American Novel [EN216]  ENGL 223 Intro/Asian American Lit. [EN204]  ENGL226 African American Lit I [EN226]  ENGL227 African American Lit II [EN227]  ENGL 230 Intro to Modern Drama [EN230]  ENGL 231 Intro to Modern Poetry [EN231]  ENGL 233 The Short Story [EN221]  ENGL 241 American Lit/Nature &amp; Envir. [EN210]  ENGL 245 The Bible as Literature [EN209]  ENGL 248 Lit. of the Holocaust [EN217]  FREN 101 Elem. French I [FR101]  FREN 102 Elem. French II [FR102]  FREN 201 Interm. French I [FR201]  FREN 202 Interm. French II [FR202]  FREN 207 Rdgs in French Lit. I [FR207]  FREN 208 Rdgs in French Lit. II [FR208]  GERM 101 Elem. German I [GR 101]  GERM 102 Elem. German II [GR 102]</p>		
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	<p>GERM 201 Interm. German I [GR201]          GERM 202 Interm. German II [GR202]          HIST 112 Women in World History [HS112]          HIST 114 The World in the 20th Century [HS114]          HIST 116 World History I [HS116]          HIST 117 World History II [HS117]          HIST 128 Women in the Western World [HS110]          HIST 145 Latin American History [HS203]          HIST 146 History of the Ancient World [HS186]          HIST 147, 148 History of Europe I, II [HS151/161]          HIST 190 History of Sport in America [HS118]          HIST 200 History of the United States I [HS201]          HIST 201 History of United States II [HS202]          HIST 205 Tech. &amp; Culture/Western World [HS120]          HIST 209 History of Asian Americans [HS137]          HIST 211 History of Latinos in the U.S. [HS138]          HIST 233 American Utopias [HS113]          HIST235 History of African Amer. to 1865 [HS129]          HIST236 History of African Amer. from 1865 [HS129]          HIST 240 Civil Rights in America [HS136]          HIST 247 East Asian Civilization [HS207]          HIST 250 Modern Asia [HS208]          HIST 252 U.S. &amp; 20th Cent. World Affairs [HS210]          HIST 255 Conflict/Modern Middle East [HS214]          HIST 257, 258 Mod. Military Hist I, II [HS217/218]          HIST 260 The United States since 1945 [HS219]          HIST 262 Hist. of England I [HS226]          HIST 263 Hist. of England II [HS227]          HIST 265 African History to 1800 [HS229]          HIST 266 African History from 1800 [HS230]          ITAL 101 Elem. Italian I [IT101]          ITAL 102 Elem. Italian II [IT102]          KORA 101 Elem. Korean I [KR101]          KORA 102 Elem. Korean II [KR102]</p>		
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	<p>LING 200 Intro to Linguistics [LG200]          LATN 101, 102 Elem. Latin I, II [LT101/102]          PHIL 101 Intro to Philosophy [PL 201]          PHIL 140 Intro to the Study of Ethics [PL 202]          PHIL 143 Intro to the Study of Religion [PL203]          PHIL 190 Elem. Logic &amp; Semantics [PL190]          PHIL 201 Morality &amp; Contemp. Law [PL180]          PHIL 205 Philosophy in Literature [PL205]          PHIL 212 Women in Philosophy I [PL207]          PHIL 218 Women in Philosophy II [PL208]          PORT 101 Elem. Portuguese I [PU101]          PORT 102 Elem. Portuguese II [PU102]          RUSS 101 Elem. Russian I [RU101]          RUSS 102 Elem. Russian II [RU102]          RUSS 201 Intermediate Russian I [RU201]          RUSS 202 Intermediate Russian II [RU202]          SPAN 101 Elem. Spanish I [SN101]          SPAN 202 Elem. Spanish II [SN102]          SPAN 103 Intensive Element. Spanish [SN103]          SPAN 201 Interm. Spanish I [SN201]          SPAN 202 Interm. Spanish II [SN202]          SPAN 216 Adv. Rdgs. Spanish Lit. [SN216]          WMST 101 Intro to Women’s Studies [WS101]  <i>Behavioral and Social Sciences Distribution:</i>          ANTH 201 Intro Sociocultural Anthropology [AN101]          ANTH 256 World Cultures [AN206]          ASLP 121 Intro to the Deaf Culture [SL121]          ECON 103 Evolution/Economic Societies [EC103]          ECON 105 Basic Economics [EC105]          ECON 201 Prin. of Economics – Macro [EC201]          ECON 202 Prin. of Economics II – Micro [EC202]          GEOG 101 Intro to Geography [GE101]          GEOG 105 Cultural Geography [GE102]          GEOG 113 Economic Geography [GE103]</p>		
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	<p>GEOG 130 Global Geography [GE110]                  POLI 101 American Government [PS101]                  POLI 105 Intro to Political Science [PS105]                  POLI 203 International Relations [PS203]                  POLI 206 Political Ideologies [PS121]                  POLI 211 Comparative Politics &amp; Gov'ts [PS201]                  POLI 221 Western Political Thought [PS241]                  POLI 242 State &amp; Local Government [PS102]                  POLI 252 Race &amp; Ethnicity in U.S. Politics [PS252]                  POLI 256 Politics of the Third World [PS282]                  PSYC 102 General Psychology [PY102]                  SOCY 100 Intro to Sociology [SO101]                  SOCY 105 Social Problems &amp; Issues [SO105]                  SOCY 208 Sociology of Gender [SO108]                  SOCY 214 Sociology of the Family [SO204]                  SOCY 233 Race &amp; Ethnic Relations [SO208]                  SOCY 240 Sociology of Age &amp; Aging [SO210]                  SOCY 243 The Sociology of Sport [212]                  SOCY 250 Globalization Issues [SO240]</p>		
<p><b>Electives</b></p>	<p>Students may use any college-level (i.e. 100-level and 200-level) academic courses towards this requirement in the following subjects:</p> <p>ACCT, ANTH, AOSC, ARAB, ARCH, ARTT, ASLP, ASTR, AUTO, BIOL, BIOT, BLDG, BSAD, CCJS, CHEM, CHIN, CMAP, CMGT, CMSC, COMM, DANC, ECON, EDUC, EMGT, ENEE, ENES, ENGL, FILM, FIRE, FREN, GDES, GEOG, GEOL, GERM, HINM, HIST, HLTH, HMG, HSCI, IDES, ISTD, ITAL, KORA, LATN, LGST, LIBR, LING, LNTP, MATH, MGMT, MHLT, MUSC, NURS, NUTR, NWIT, PHED, PHIL, PHOT, PHTH, PHYS, POLI, PORT, PSCI, PSYC, RADT, READ, RUSS, SCIR, SOCY, SONO, SPAN, STSU, SURG, THET, TVRA, WMST</p>	<p><b>19 credits</b></p>	<p>Students must complete 19 credits.</p> <p>Any courses above that have not been used towards other GW general education requirements can be used towards this requirement.</p> <p>Academic credit awarded for health care clinical rotations and practicum courses may be considered.</p> <p>Military courses may be considered.</p>

<b>Total Transfer Credits</b>		<b>60 credits</b>	
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**Specific AS programs at Montgomery College that incorporate Medical Laboratory Sciences pre-requisites into their curriculum:**

- AS Environmental Science and Policy
- AS Life Sciences