### Maricopa-ASU Medical Laboratory Science (MDL) Pathway

**Catalogue Year 2011-2012**

**College of Nursing & Health Innovation**

Completion of the Maricopa-ASU Medical Lab Science Pathway and all special requirements prior to and after acceptance in the ASU BAS program earns MCCCD Associate of Applied Science degree and ASU Medical Laboratory Science (BAS) degree.

#### Special Requirements:
A 2.5 GPA in the coursework in Sections I, II, and III of the Pathway (taken in terms 1-4 below) is required for admission to the ASU Medical Laboratory Sciences BAS program. Student must be accepted into Medical Laboratory Science BAS program in order to proceed. Upon acceptance, students will be concurrently enrolled in Phoenix College and ASU and will complete sections IV and V (taken in terms 5-9 below). All coursework must be completed with a C or better.

#### Sequencing:
Courses in blue (PC) are Phoenix College courses. Courses in black (ASU) are ASU courses.

### Term One
**14 credits** | **6-14 CREDIT HOURS**
---|---
**PC** | MDL 190: Medical Terminology for Health Care Workers I 1
**PC** | CHM 151: General Chemistry I 3
**PC** | CHM 151LL: General Chemistry I Laboratory 1
**PC** | MAT 142 (MA): College Mathematics or higher 3
**PC** | Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB): AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H): 3

### Term Two
**14 credits** | **15-28 CREDIT HOURS**
---|---
**PC** | CHM 152: General Chemistry II 3
**PC** | BIO 181: General Biology I or BIO 182: General Biology II 4
**PC** | Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB): AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H): 3

### Term Three
**14 credits** | **29-42 CREDIT HOURS**
---|---
**PC** | BIO 181: General Biology (Majors) I or BIO 182: General Biology (Majors) II 4
**PC** | CHM 230: Fundamental Organic Chemistry 3
**PC** | CHM 230LL: Fundamental Organic Chemistry Laboratory 1
**PC** | Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB): AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H): 3

### Term Four
**11 credits** | **43-53 CREDIT HOURS**
---|---
**PC** | BIO 205: Microbiology 4
**PC** | COM 225: Public Speaking (L) 3
**PC** | BIO 160: Introduction to Human Anatomy and Physiology OR BIO 247: Applied Biosciences: Biotechnology 4

Submit MDL application. If accepted into the MDL program, student will progress in Terms Five through Nine

### Term Five
**12 credits** | **54-65 CREDIT HOURS**
---|---
**ASU** | MDL 410: Laboratory Leadership 1
**ASU** | Computer/Statistics/Quantitative applications (CS) course (upper division): 3
**ASU** | PHI 306: Applied Ethics (HU) 3
**PC** | MDL 190: Medical Laboratory Operations 2

### Term Six
**24 credits** | **66-89 CREDIT HOURS**
---|---
**PC** | MDL 240: Clinical Urinalysis and Body Fluid Analysis 3
**PC** | MDL 420: Advanced Clinical Urinalysis and Body Fluids 2
**PC** | MDL 242: Clinical Hematology and Hemostasis 6
**ASU** | MDL 430: Advanced Clinical Hematology and Hemostasis 3
**PC** | MDL 244: Clinical Immunohematology and Immunology 6
**ASU** | MDL 440: Advanced Immunohematology and Immunology 3

### Term Seven
**7 credits** | **90-96 CREDIT HOURS**
---|---
**PC** | MDL 241: Practicum: Clinical Urinalysis and Body Fluid Analysis 1
**ASU** | MDL 421: Advanced Practicum: Clinical Urinalysis and Body Fluids 1
**PC** | MDL 243: Practicum: Clinical Hematology and Hemostasis 1
**ASU** | MDL 431: Advanced Practicum: Clinical Hematology and Hemostasis 1
**PC** | MDL 245: Practicum: Clinical Immunohematology and Immunology 1
**ASU** | MDL 441: Advanced Practicum: Clinical Immunohematology and Immunology 2

### Term Eight
**20 credits** | **97-116 CREDIT HOURS**
---|---
**PC** | MDL 246: Clinical Microbiology 6
**ASU** | MDL 450: Advanced Clinical Microbiology 3
**PC** | MDL 248: Clinical Chemistry 6
**ASU** | MDL 460: Advanced Clinical Chemistry 3
**PC** | MDL 247: Practicum: Clinical Microbiology 1
**ASU** | MDL 451: Practicum: Advanced Clinical Microbiology 1

### Term Nine
**4 credits** | **117-120 CREDIT HOURS**
---|---
**PC** | MDL 249: Practicum: Clinical Chemistry 1
**ASU** | MDL 461: Practicum: Advanced Clinical Chemistry 1
**PC** | MDL 290: Medical Laboratory Science Program Review 2

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Academic Articulation OTP 8/11/11