

Department of Epidemiology and Biostatistics
Master of Public Health (MPH) degree in Epidemiology & Biostatistics for Macaulay Honors College students

The Department of Epidemiology (EPID) and Biostatistics (BIOS) aims to understand and improve the health of populations through research and teaching that promotes social justice and public health policy changes. Faculty members are actively engaged in cutting edge research to address critical and current public health problems in New York and around the world. Our mission is to train the next cadre of public health practitioners, epidemiologists and biostatisticians in rigorous epidemiology and statistical methods and their applications to pressing and real-life public health problems.

In EPID, students learn to understand the principles, methods, strengths and limitations of epidemiologic study designs; collaborate on applied population health research; interpret epidemiologic findings, effectively communicate research and finding to lay and professional audiences, and apply the findings to the development of evidence-based interventions to improve population health. In BIOS, students gain awareness and basic understanding of advanced statistical methods and learn to apply core and intermediate level statistical methods to public health endeavors, such as data management, statistical analysis, interpretation, and presentation of analytical results using computing technology.

Undergraduate students at the Macaulay Honors College, CUNY can complete their BA and MPH in EPID/BIOS degrees in 4+1 years by following the sequence described in figure 1 and completing the MPH courses described in table 1.

Figure 1: 4+1 Sequence for BA-MPH students

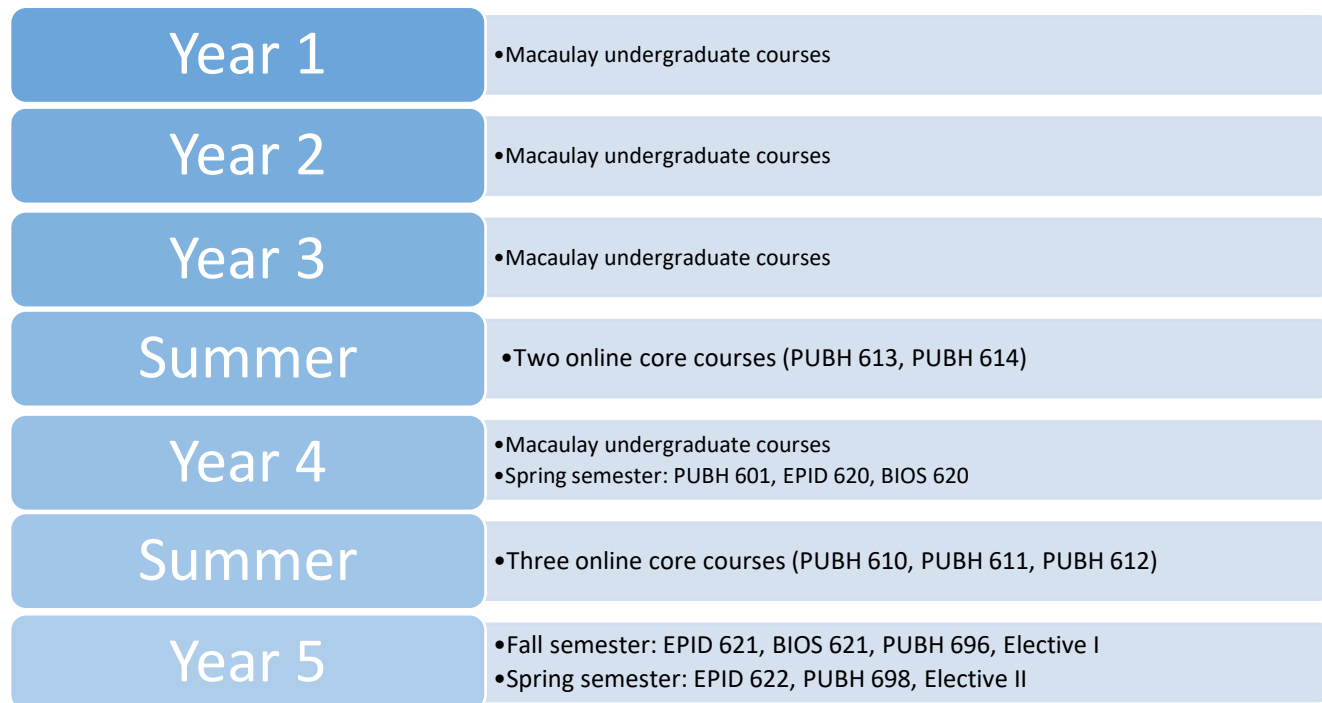


Table 1: MPH Courses and sequence for 4+1 BA-MPH in Epidemiology & Biostatistics

Course Requirements for MPH in Epidemiology/Biostatistics	Credits	Semester taken by Macaulay 4+1 BA-MPH students
PUBH 601 (Foundations of Public Health Knowledge)	0	Year 4 Spring
5 Core Courses		
PUBH 610 (Public Health Leadership and Management)	3	Summer
PUBH 611 (Health Equity, Communication, and Advocacy)	3	Summer
PUBH 612 (Designing and Evaluating Public Health Interventions)	3	Summer
PUBH 613 (Designs, Concepts, and Methods in Public Health Research)	3	Summer
PUBH 614 (Quantitative and Qualitative Data Analysis Methods in Public Health Research)	3	Summer
5 Concentration Courses		
BIOS 620 (Applied Biostatistics I)	3	Year 4 Spring
EPID 620 (Epidemiological Methods I)	3	Year 4 Spring
BIOS 621 (Applied Biostatistics II)	3	Year 5 Fall
EPID 621 (Epidemiological Methods II)	3	Year 5 Fall
EPID 622 (Applied Research: Data Management and Analysis)	3	Year 5 Spring
2 Elective Courses		
Elective I	3	Year 5 Fall
Elective II	3	Year 5 Spring
Practice & Culminating Experience		
PUBH 696 (Supervised Fieldwork)	3	Year 5 Fall
PUBH 698 (Capstone Project)	3	Year 5 Spring
Total Credits	42	