

HUMAN BIOLOGY AND SOCIETY

HBS, B.A. premajor (36-40 units)
Society and Genetics 5 OR M71A OR M72A
Anthropology 1
Two courses from: American Indian Studies M10, Anthropology 3 (formerly 9), Asian American Studies 20, Chicana/o Studies 10A, 10B, Gender Studies 10, *Cluster courses M1A through 80CW, Geography 3, History 3C, Honors Collegium 70A, Molecular Cell and Developmental Biology 40, 50, 60, Philosophy 4, 6, 8, 22 or 22W, Public Policy 10A, Sociology 1, M5
Chemistry 14A
Life Sciences 7A, 7B, 7C
Statistics 10 or 13

HBS, B.S. premajor (88-101 units)
Society and Genetics 5 OR M71A OR M72A
Anthropology 1
Two courses from: American Indian Studies M10, Anthropology 3 (formerly 9), Asian American Studies 20, Chicana/o Studies 10A, 10B, Gender Studies 10, *Cluster courses M1A through 80CW, Geography 3, History 3C, Honors Collegium 70A, Molecular Cell and Developmental Biology 40, 50, 60, Philosophy 4, 6, 8, 22 or 22W, Public Policy 10A, Sociology 1, M5
Chem 14A, 14B, 14BL, 14C, 14D; or Chem 20A, 20B, 20L, 30A, 30AL, 30B
Life Sciences 7A, 7B, 7C and 23L
Statistics 10 or 13 or Life Sciences 40
Math 3A, 3B, 3C; or MATH 31A, 31B, 32A; or Life Sciences 30A, 30B (if LIFESCI 30A+30B, then you must take Statistics 13 or Life Science 40)
Physics 5A, 5B, 5C; or 1A, 1B, 1C, 4AL, 4BL

*Two quarters of the Clusters may count as two social theory courses. Includes: CLUSTER M1A, M1B, M1CW, 20A, 20B, 20CW, 21A, 21B, 21CW, 22A, 22B, 22CW, 23A, 23B, 23CW, M24A, M24B, M24CW, 25A, 25B, 25CW, 26A, 26B, 26CW, 30A, 30B, 30CW, 60A, 60B, 60CW, 66A, 66B, 66CW, 70A, 70B, 70CW, M71B, M71CW, M72B, M72CW, 73A, 73B, 73CW, 80A, 80B, 80CW

APPLICATION REQUIRED FOR ADMISSION TO THE MAJOR: Apply early Sophomore Spring. Spring application available on department website late Winter. HBS, B.A. applicants must complete all pre-major courses by end of Sophomore Spring, and have a cumulative pre-major GPA of 2.90+. HBS, B.S. applicants must complete at least 13 pre-major courses (*including* SOC GEN 5/CLUSTER 71A/72A) by end of Sophomore Spring and have a cumulative pre-major GPA of 2.50+. **All courses must be taken for a letter grade.**

HBS, B.A. major (42 units)
Society and Genetics 101 (5 units) or if LS7ABC taken, Society and Genetics 102 (5 units)
Society and Genetics 105A (4 units)
Society and Genetics 105B (4 units)
Society and Genetics 108 (5 units)
Complete five electives in one concentration: <ul style="list-style-type: none"> ♦ Bioethics and Public Science Policy ♦ Evolutionary Biology, Culture and Behavior ♦ Historical and Social Studies of Science ♦ Medicine and Public Health ♦ Population Genetics
4.0 units of internship (195CE), apprenticeship (196), and/or research (199)

HBS, B.S. major (42-47 units)
Life Sciences 107 (only for LS7ABC series) (5 units)
Society and Genetics 102 (5 units)
Society and Genetics 105A (4 units)
Society and Genetics 105B (4 units)
Society and Genetics 108 (5 units)
Complete five electives in one concentration: <ul style="list-style-type: none"> ♦ Bioethics and Public Science Policy ♦ Evolutionary Biology, Culture and Behavior ♦ Historical and Social Studies of Science ♦ Medicine and Public Health ♦ Population Genetics
4.0 units of internship (195CE), apprenticeship (196), and/or research (199)

Each course must be taken for a letter grade and passed with a grade of C– or better, and all courses must be completed with a cumulative minimum grade-point average of 2.0.

Last updated September 11, 2018

CONCENTRATION #1:

BIOETHICS AND PUBLIC SCIENCE POLICY

Complete 5 electives: At least one SOCIETY AND GENETICS elective, plus 4 more electives from the approved list below. NOTE: If you pursue a subfocus (see bottom of page), subfocus courses will credit toward your electives, as if they were on the approved list below.

Course with requisites are underlined. Red text indicates enforced requisite.

Anthropology	100, <u>131</u> , <u>143</u> , 145S, M148
Asian American Studies	M107, 113
Bioengineering	165EW
Communication Studies	101
Disability Studies	101 or 101W, M121
Ecology and Evolutionary Biology	<u>176</u>
Epidemiology	100 (restricted to PUB HLT minors, except during summer session)
Gender Studies	M114, M121, 125, 134, <u>M162</u> , M164, 171A
Geography	M109, M115, M153
Global Studies	<u>100A</u> , <u>100B</u>
History	180A, 180C
Honors Collegium	M152, <u>177</u>
Lesbian, Gay, Bisexual, Transgender, and Queer Studies	M114
Philosophy	124, <u>125</u> , 137, <u>150</u> , <u>153A</u> , <u>154</u> , 154B, 155, C156, 157A, 157B, 170
Psychology	187C
Public Policy	103
Social Welfare	162
Society and Genetics	102 (elective for B.A. only if SOC GEN 101 taken), 120, 121, 130, 131, M133, 134, M140, M144, 160, 161, 162, 163, 164, 165, 175, 180, 188, <u>195CE</u> , <u>197</u> , <u>199</u>
Sociology	M115, <u>143</u> , M144, 154, 156, <u>M162</u> , M164, <u>170</u>
Urban Planning	M165

(Optional) Subfocus areas for "BIOETHICS AND PUBLIC SCIENCE POLICY"

Designed and recommended for students who intend a career in medicine or allied health services or are going on to graduate school in the life or health sciences. If you wish, choose ONE subfocus, and the courses taken in it will credit toward your electives.

Cell Development	Molecular, Cell and Developmental Biology <u>138</u> , <u>165A</u> , <u>168</u>
Microbiology and Immunology	Microbiology, Immunology and Molecular Genetics <u>101</u> , <u>185A</u> , and one course from <u>103AL</u> , <u>106</u> , <u>107</u> , <u>158</u> , <u>168</u>
Molecular Biology and Genomics	Molecular, Cell and Developmental Biology <u>144</u> , <u>172</u> , and one course from <u>CM156</u> , Human Genetics <u>CM124</u> , <u>C144</u> , Microbiology, Immunology, and Molecular Genetics <u>C122</u> , <u>CM156</u> , <u>158</u>
Physiology	Physiological Science <u>111A</u> , <u>111B</u> , and one course from <u>147</u> , <u>149</u> , <u>177</u>
Psychology and Mental Health	Three courses from Psychology <u>M107</u> , <u>112A</u> , <u>112B</u> , <u>115</u> , <u>M117J</u> , <u>127A</u> , <u>129C</u> , <u>160</u>

CONCENTRATION #2:

EVOLUTIONARY BIOLOGY, CULTURE AND BEHAVIOR

Complete 5 electives: At least one SOCIETY AND GENETICS elective, plus 4 more electives from the approved list below. NOTE: If you pursue a subfocus (see bottom of page), subfocus courses will credit toward your electives, as if they were on the approved list below.

Course with requisites are underlined. Red text indicates enforced requisite.

Anthropology	<u>124P, 124Q, 124S, 126Q</u> , 128P, M128Q, <u>M145P</u> , M148, <u>M157W</u>
Communication Studies	<u>112</u> , 116, <u>M123W</u> , 126, M127, 148, M159
Ecology and Evolutionary Biology	<u>120, 121, C126, 129, C135, 175, 176</u>
Environment	M133
Geography	M153
Gender Studies	M110C, M114, M154P, M159, <u>M162</u> , M165, M167
Honors Collegium	M152
Lesbian, Gay, Bisexual, Transgender, and Queer Studies	M114, M167
Linguistics	<u>C135</u>
Molecular, Cell and Developmental Biology	<u>CM156</u>
Philosophy	137, <u>M187</u>
Psychology	<u>110, 112A, 112B, 115, 160</u>
Society and Genetics	102 (elective for B.A. only if SOC GEN 101 taken), 120, 121, 130, 131, M133, 134, M140, M144, 160, 161, 162, 163, 164, 165, 175, 180, 188, <u>195CE, 197, 199</u>
Sociology	M115, M144, 156, M162

(Optional) Subfocus areas for "EVOLUTIONARY BIOLOGY, CULTURE and BEHAVIOR"

Designed and recommended for students who intend a career in medicine or allied health services or are going on to graduate school in the life or health sciences. If you wish, choose ONE subfocus, and the courses taken in it will credit toward your electives.

Ecology and Evolutionary Biology	Three courses from Anthropology 124P, 124S, <u>126Q</u> , 128P, Ecology and Evolutionary Biology <u>100, 116, 120, 121, 126, 129, 130, C135, 175, 176</u>
Psychology and Mental Health	Three courses from Psychology <u>M107, 112A, 112B, 115, M117J, 127A, 129C, 160</u>

CONCENTRATION #3:

HISTORICAL AND SOCIAL STUDIES OF SCIENCE

Complete 5 electives: At least one SOCIETY AND GENETICS elective, plus 4 more electives from the approved list below. NOTE: If you pursue a subfocus (see bottom of page), subfocus courses will credit toward your electives, as if they were on the approved list below.

Course with requisites are underlined. Red text indicates enforced requisite.

Anthropology	<u>100</u> , <u>131</u> , <u>143</u>
Asian American Studies	<u>105</u>
Bioengineering	165EW
Chicana and Chicano Studies	CM182
Disability Studies	101 or <u>101W</u> , M121, M148
Ecology and Evolutionary Biology	<u>100</u> , <u>120</u> , <u>C126</u> , <u>130</u> , <u>175</u>
Environment	M109, M132, M133
Environmental Health Sciences	100, C185A, <u>C185B</u>
Epidemiology	100 (restricted to PUB HLT minors, except during summer session)
Gender Studies	M121, <u>134</u> , <u>M162</u> , M164, M180B
Geography	M109, M115
Global Studies	<u>100A</u> , <u>100B</u>
History	M151C, 179A, 179B, 180A, M180B, 180C
Honors Collegium	177
Human Genetics	<u>C144</u>
Neurobiology	M169
Philosophy	124, <u>125</u> , 129, 130, 137, 155
Psychology	M163
Society and Genetics	102 (elective for B.A. only if SOC GEN 101 taken), 120, 121, 130, 131, M133, 134, M140, M144, 160, 161, 162, 163, 164, 165, 175, 180, 188, <u>195CE</u> , <u>197</u> , <u>199</u>
Sociology	M138, 143, M144, M148, 154, 156, <u>M162</u> , M164, 170
Urban Planning	M165

(Optional) Subfocus areas for "HISTORICAL AND SOCIAL STUDIES OF SCIENCE"

Designed and recommended for students who intend a career in medicine or allied health services or are going on to graduate school in the life or health sciences. If you wish, choose ONE subfocus, and the courses taken in it will credit toward your electives.

Cell Development	Molecular, Cell and Developmental Biology <u>138</u> , <u>165A</u> , <u>168</u>
Microbiology and Immunology	Microbiology, Immunology and Molecular Genetics <u>101</u> , <u>185A</u> , and one course from <u>103AL</u> , <u>106</u> , <u>107</u> , <u>158</u> , <u>168</u>
Molecular Biology and Genomics	Molecular, Cell and Developmental Biology <u>144</u> , <u>172</u> , and one course from <u>CM156</u> , Human Genetics <u>CM124</u> , <u>C144</u> , Microbiology, Immunology, and Molecular Genetics <u>C122</u> , <u>CM156</u> , <u>158</u>
Physiology	Physiological Science <u>111A</u> , <u>111B</u> , and one course from <u>147</u> , <u>149</u> , <u>177</u>
Psychology and Mental Health	Three courses from Psychology <u>M107</u> , <u>112A</u> , <u>112B</u> , <u>115</u> , <u>M117J</u> , <u>127A</u> , <u>129C</u> , <u>160</u>

CONCENTRATION #4:

MEDICINE AND PUBLIC HEALTH

Complete 5 electives: At least one SOCIETY AND GENETICS elective, plus 4 more electives from the approved list below. NOTE: If you pursue a subfocus (see bottom of page), subfocus courses will credit toward your electives, as if they were on the approved list below.

Course with requisites are underlined. Red text indicates enforced requisite.

Anthropology	145S, M128R, <u>M157W</u>
Asian American Studies	M117
Chicana and Chicano Studies	CM106, CM182
Communication Studies	116, <u>M123W</u>
Computer Science	<u>CM121</u>
Disability Studies	101 or <u>101W</u> , M121
Epidemiology	100 (restricted to PUB HLT minors, except during summer session)
Gender Studies	M114, M121, <u>125</u> , <u>M162</u> , M164, M167
History	M151C
Human Genetics	<u>C144</u>
Lesbian, Gay, Bisexual, Transgender, and Queer Studies	M114
Molecular, Cell and Developmental Biology	<u>138</u> , <u>CM156</u> , <u>172</u>
Neurobiology	M169
Neuroscience	<u>180</u>
Philosophy	<u>150</u> , <u>154</u> , 154B, 155, C156, 157A, 157B
Psychology	<u>M107</u> , <u>112B</u> , <u>115</u> , <u>M117J</u> , <u>127A</u> , <u>129C</u> , M140
Public Health	M106, 150, <u>M160A</u> , <u>M160B</u> (Must be part of <i>TEACH</i> , can alternatively be used to satisfy internship requirement)
Social Welfare	M140, 162
Society and Genetics	102 (elective for B.A. only if SOC GEN 101 taken), 120, 121, 130, 131, M133, 134, M140, M144, 160, 161, 162, 163, 164, 165, 175, 180, 188, <u>195CE</u> , <u>197</u> , <u>199</u>
Sociology	M115, 130, 132, 134, 143, M144, 145, 154, 156, <u>M162</u> , M164, 170

(Optional) Subfocus areas for "MEDICINE AND PUBLIC HEALTH"

Designed and recommended for students who intend a career in medicine or allied health services or are going on to graduate school in the life or health sciences. If you wish, choose ONE subfocus, and the courses taken in it will credit toward your electives.

Cell Development	Molecular, Cell and Developmental Biology <u>138</u> , <u>165A</u> , <u>168</u>
Microbiology and Immunology	Microbiology, Immunology and Molecular Genetics <u>101</u> , <u>185A</u> , and one course from <u>103AL</u> , <u>106</u> , <u>107</u> , <u>158</u> , <u>168</u>
Molecular Biology and Genomics	Molecular, Cell and Developmental Biology <u>144</u> , <u>172</u> , and one course from <u>CM156</u> , Human Genetics <u>CM124</u> , <u>C144</u> , Microbiology, Immunology, and Molecular Genetics <u>C122</u> , <u>CM156</u> , <u>158</u>
Physiology	Physiological Science <u>111A</u> , <u>111B</u> , and one course from <u>147</u> , <u>149</u> , <u>177</u>
Psychology and Mental Health	Three courses from Psychology <u>M107</u> , <u>112A</u> , <u>112B</u> , <u>115</u> , <u>M117J</u> , <u>127A</u> , <u>129C</u> , <u>160</u>

CONCENTRATION #5:**POPULATION GENETICS AND HISTORY**

Complete 5 electives (at least one of which must be a SOCIETY AND GENETICS elective) following the program described below. NOTE: If you pursue a subfocus (see bottom of page), those subfocus courses will credit toward your electives.

Course with requisites are underlined. Red text indicates enforced requisite.

Two courses from:	
Ecology and Evolutionary Biology	<u>135</u>
Human Genetics	<u>CM124</u>
Society and Genetics	120
And any additional courses from:	
Ancient Near East	162, CM163
Anthropology	100, 110, <u>111</u> , <u>131</u> , M148, <u>M150</u> , M171P
Asian American Studies	113
Chicana and Chicano Studies	M124, CM182
Computer Science	<u>CM121</u> , <u>CM124</u>
Ecology and Evolutionary Biology	<u>120</u> , <u>121</u> , <u>C135</u>
Gender Studies	<u>M162</u> , M180B
History	M108C, M151C, 164D, 180A, M180B, 180C, 191B through 191O
Honors Collegium	M143, M152
Human Genetics	<u>CM124</u> , <u>C144</u>
Linguistics	<u>110</u> , 114, <u>127</u> , <u>130</u> , <u>132</u> , <u>M150</u>
Molecular, Cell and Developmental Biology	<u>172</u>
Psychology	<u>160</u>
Society and Genetics	102 (elective for B.A. only if SOC GEN 101 taken), 120, 121, 130, 131, M133, 134, M140, M144, 160, 161, 162, 163, 164, 165, 175, 180, 188, <u>195CE</u> , <u>197</u> , <u>199</u>
Sociology	M115, M144, 154, 156, <u>M162</u>

(Optional) Subfocus in "POPULATION GENETICS AND HISTORY"

Designed and recommended for students who intend a career in medicine or allied health services or are going on to graduate school in the life or health sciences. If you wish, pursue this subfocus, and the courses taken in it will credit toward your electives.

Population Genetics	Two courses from Ecology and Evolutionary Biology <u>C135</u> , Human Genetics <u>CM124</u> , Society and Genetics 120, and one course from Ecology and Evolutionary Biology <u>120</u> , <u>121</u> , Human Genetics <u>C144</u>
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