Humanitarian Engineering, Science & Technology (Baccalaureate Core Playlist)

The Humanitarian Engineering, Science and Technology playlist is for those interested in understanding the context surrounding global development. This set of courses considers many issues in global development, including the context around the use of science and technology to improve access to basic human needs, to improve the quality of life, or improve the ability of people to earn a livelihood particularly in rural, resource-limited, or low-to-middle income settings.

Students interested in this playlist may also want to consider the Humanitarian Engineering minor. A plus (+) symbol following the course title indicates courses that are specifically recommended by the HEST minor because of the relevance of the material or because they are taught by a HEST-affiliated faculty member.

**Biological Science**
- BOT 101 Botany: A Human Concern
- SUS 102 Introduction to Environmental Science and Sustainability
- SOIL 205 Soil Science* AND SOIL 206 Soil Science Lab

**Physical Science**
- GEO 221 Environmental Geology
- SOIL 205 Soil Science* AND SOIL 206 Soil Science Lab
- WSE 210 Renewable Materials Technology and Utilization+

**Cultural Diversity**
- ANTH 210 Comparative Cultures
- ANTH 311 Peoples of the World: North America
- ANTH 313 Peoples of the World: Latin America
- ANTH 314 Peoples of the World: Middle East
- ANTH 315 Peoples of the World: Africa
- ANTH 318 Peoples of the World: China
- ANTH 319 Peoples of the World: Japan & Korea
- ES 101 Introduction to Ethnic Studies
- ES 241 Introduction to Native American Studies
- GEOG 105 Geography of the Non-Western World
- HST 351 Modern Latin America
- HST 391 Traditional China & Japan
- HST 392 Modern China & Japan
- MUS 108 Music Cultures of the World
- NUTR 216 Food in Non-Western Culture – ECampus only
- PHL 160/REL160 Quest for Meaning: World Religion
- PHL 315/REL 315 Gandhi & Nonviolence
- WGSS 220 Women Worldwide+
- WLC 335 Japanese Culture I

**Literature & the Arts**
- ENG 210 Literatures of the World* – Asia - ECampus
- ENG 212 Literatures of the World* – Meso/South America, Caribbean
- ENG 213 Literatures of the World* – Middle East
- ENG 260 Literature of American Minorities*
- ENG 322 Studies in Globalism, Text, & Event+
- ES 334 Asian American Literature*

**Social Processes & Institutions**
- ANTH 110 Introduction to Cultural Anthropology
- AEC 250 Introduction to Environmental Economics & Policy
- ECON 201 Introduction to Microeconomics
- ECON 202 Introduction to Macroeconomics
- H225 Social and Individual Health Determinants+
- PS 205 Introduction to International Politics
- SOC 204 Introduction to Sociology
- SOC 205 Institutions and Social Change – ECampus only
- WGSS 223 Women: Self & Society**+
- WGSS 224 Women: Personal & Social Change*

**Western Culture**
- AEC 253 Environmental Law, Policy, & Economics
- GEOG 106 Geography of the Western World
PHL 205 Ethics+

**Difference, Power, & Discrimination**

AG 301 Ecosystem Science of Pacific Northwest Indians

ANTH 345 Biological and Cultural Construction of Race

ENG 220 Studies in Difference, Power, & Discrimination+

ES 213 Contemporary Latino/A Culture & Studies

ES 221 Survey of African American Studies

ES 233 Asian Pacific American Activism & Empowerment

FW 340 Multicultural Perspectives in Natural Resources+

GEO 309 Environmental Justice+

HST 368 Lesbian & Gay Movements in Modern America

HST 369 Immigration to the US Since 1880- E-Campus only

LING 251 Languages of Oregon

MB 330 Disease and Society - E-Campus only+

SOC 206 Social Problems & Issue

SOC 360 Population Trends & Policy - E-Campus only

WGSS 223 Women: Self and Society*+

WGSS 414 Systems of Oppression Studies in Difference, Power, & Discrimination+

**Synthesis-Contemporary Global Issues**

AEC 351 Natural Resource Economics & Policy

AEC 352/ECON 352 Environmental Economics & Policy

AEC 461 Agricultural & Food Policy Issues

ANTH 374 Anthropology and Global Health+

ANTH 380 Cultures in Conflict+

ANTH 466 Rural Anthropology+

ANTH 482 Anthropology of International Development+

ANTH 488 Business and Asian Culture

BI 301 Human Impacts on Ecosystems

BI 306 Environmental Ecology*

Z349 Biodiversity: Causes, Consequences, & Conservation - E-Campus only+

COMM 446 Communication in International Conflict & Disputes

CROP 330 World Food Crops

CSS 330 World Food Crops

FE 456 International Forestry

FW 325 Global Crisis in Resource Ecology - E-Campus only

GEOG 300 Sustainability for the Common Good**+

GEO 308 Global Change & Earth Science+

GEOG 330 Geography of International Development & Globalization+

HDFS 447 Families & Poverty+

HST 385 The Arab-Israeli Conflict

PHL 344/REL 344 Pacifism, Just War & Terrorism

PHL 443/REL 443 World Views & Environmental Values+

PS 345 The Politics of Developing Nations+

PS 458 International Political Economy+

SOC 480 Environmental Sociology+

SUS 350 Sustainable Communities+

WGSS 280 Women Worldwide+

WGSS 380 Muslim Women+

WGSS 495 Global Feminist Theologies

WSE 470 Forests, Wood, & Civilization

**Synthesis-Science, Technology, & Society**

ANTH 330 Evolution of People, Technology, & Society+

ANTH 481 Natural Resources and Community Values

BI 435/TOX 435 Genes & Chemicals in Agriculture: Values & Risks

CS 391 Social and Ethical Issues in Computer Science

SOIL 395 World Soil Resources

DHE 415/WSE 415 Renewable Materials in the Modern Age+

ENGR 350 Sustainable Engineering+

ENSC 479 Environmental Case Studies*

ENT 300 /HORT 300 Plagues, Pests, and Politics

ES 445 Native American Science & Technology

FST 421 Food Law
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW 350</td>
<td>Endangered Species, Society, &amp; Sustainability</td>
</tr>
<tr>
<td>GEOG 300</td>
<td>Sustainability for the Common Good</td>
</tr>
<tr>
<td>GEO 306</td>
<td>Minerals, Water, Energy, &amp; the Environment+</td>
</tr>
<tr>
<td>GEOG 340</td>
<td>Introduction to Water Science &amp; Policy</td>
</tr>
<tr>
<td>H 445</td>
<td>Occupational Health+</td>
</tr>
<tr>
<td>HST 481</td>
<td>Environmental History of the U.S.</td>
</tr>
<tr>
<td>IE 380</td>
<td>The Responsible Engineer+</td>
</tr>
<tr>
<td>NUTR 312</td>
<td>Issues in Nutrition &amp; Health+</td>
</tr>
<tr>
<td>PH 313</td>
<td>Energy Alternatives+</td>
</tr>
<tr>
<td>SOC 481</td>
<td>Society &amp; Natural Resources+</td>
</tr>
<tr>
<td>WGSS 440</td>
<td>Women &amp; Natural Resources - E-Campus only+</td>
</tr>
</tbody>
</table>

*Some courses may appear in more than one bacc core category, but can only count toward fulfilling a single category*