











BIO-INSTRUMENTATION B.S.

+GLOBAL DISTINCTION

MAJOR ACADEMIC PLAN (MAP)

Sample Progression Plan

<p>Fall Semester 1 ABio 130 NS AChm 120/130 AChm 124 AMat 108 MS Humanities Gen Ed HU US Historical Perspectives Gen Ed US</p>	<p>Spring Semester 1 ABio 131 AChm 121 AChm 125 AMAT 112 UUNI 110 WCI</p>	<p>Summer 1 Consider coursework Look for a summer job in the area of your studies</p>
<p>Fall Semester 2 APHY 140 APHY 145 ACHM 220 ACHM 222 ABio 201 ALcs 359 CH SS + (Transnational) Foreign Language FL </p>	<p>Spring Semester 2 ABio 212 ABio 217 ABio 202Z AArh 171 AR IP + (Culture) Foreign Language </p>	<p>Summer 2 Look for shadowing opportunities. Pro Tip: Why not declare the International Studies Minor to formally reflect study and interning abroad or add a Language Minor?</p>
<p>Fall Semester 3 HSPH 201 HBMS 310 HBMS 312 HSPH 332 Foreign Language </p>	<p>Spring Semester 3 HSPH 231 HBMS 311 HBMS 314 Biotechnology Research Internship (3 credits) Foreign Language </p>	<p>Summer 3 Intern/Research Abroad! +IP (8-10 weeks) Alternative semester for Biotechnology Research Internship (3 credit min., seek Dept. Approval)</p>
<p>Fall Semester 4 Study Abroad! + IP Biotechnology Research Internship? (3 credit min.) Upper Level elective Upper Level elective Upper Level elective Elective (more language?) Study abroad in any semester (such as Fall 2 or Spring 2) or even for 1 year, with the approval of your Major and GD academic advisors.</p>	<p>Spring Semester 4 HBms 505 + (globally-oriented capstone project) Bio-Instrumentation Cooperative Training Internship (3 credits) HSph 321 + (Development) as Upper Level elective Upper Level elective Elective (more language?)</p>	<p>Congratulations! You have earned UAlbany's Global Distinction!</p>

Note – Summer 3 is also an option for the **Biotech Research Internship**, which means that students could complete their internships Spring 3 / Summer 3 / Fall 4, or Summer 3 / Fall 4 / Spring 4, instead of the pathway suggested above.

General Education Requirements, for students matriculating Fall 2014 and after:



MS Mathematics and Statistics	SS Social Sciences
WCI Writing and Critical Inquiry	IP International Perspectives
AR Arts	US U.S. Historical Perspectives
HU Humanities	CH Challenges for the 21 st Century
NS Natural Sciences	FL Foreign Language (<i>one semester of collegiate study, or the equivalent, of a foreign language</i>)

Credit bearing Professional Development Options:

- RSSW 290, 291 and 390 – Community Service
- Research within major University
- Internship Departmental Internship
- Community Engaged Coursework
- Study Abroad
- Tutoring opportunities

NOTE: This is a suggested course sequence.

Global Distinction (GD) Course Categories:

-  UAlbany Gen Ed or Major requirement AND counts towards the GD (Global Distinction)!
-  Counts towards the GD AND your Electives AND may also count towards your Major, Minor or Gen Ed Requirements!

*See the back of this sheet for more information about the Global Distinction.

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What the Global Distinction Program can do for you!

Global Distinction is a new University at Albany Milestone (appearing on the bottom of your official transcript) conferred upon students who complete a structured set of life-changing, international academic experiences that produce a globally competent graduate. Today's employers and graduate school programs seek students who have the right balance of disciplinary knowledge and real-world problem-solving skills. In today's highly globalized society, scientists, artists, employees, and small business owners all need to master inter-cultural communication skills. Global Distinction meets that need through

- 2 years (4 semesters) of **foreign language** acquisition or the equivalent in proficiency
- **Interdisciplinary, globally-oriented coursework**, including 1 course that includes a focus on
 - Culture-Area Studies or Inter-Cultural Competency (**Culture**)
 - International Development or Economics (**Development**)
 - International Relations, Migration, or Human Rights (**Transnational**)
 - a Capstone Research Project that is approached with a global lens
- **International immersion** via a **study abroad** semester and an 8-10 week summer **internship/research** opportunity

You can graduate on time!

With the guidance of your academic advisers for your Major, Minor and the Global Distinction (GAP Director Dr. Annette Richie; email archie@albany.edu for an appointment), you will find your "best fit" university for your study abroad semester and your summer internship or lab research placement. The "extra" language and interdisciplinary, globally-oriented coursework can be completed at UAlbany or abroad, or applied from your Transfer, Advanced Placement, and University in the High School courses. *Culture, Development* and *Transnational* courses can be found in various Majors and Minors and many fulfill Gen Ed requirements.

The GD program is within your financial reach!

You can use financial aid and most UAlbany scholarships for studying and interning abroad as you are earning UAlbany credit! Global Distinction participants will be eligible for a **Flight Voucher** to apply towards studying, interning, or researching abroad.

Global Academic Programs offers its own **scholarships**, including the World Within Reach Scholarship Fund and The Joan N. Savitt Scholarship for Study Abroad. Learn more at <http://www.albany.edu/studyabroad/scholarships-grants.php>. Jacqueline Ledermann, GAP Assistant Director, advises on external scholarship applications, such as the NSEP Boren Scholarship, the Benjamin A. Gilman International Scholarship, and the Critical Language Scholarship. Some nations and overseas universities that we partner with also offer their own scholarships. Amounts and eligibility criteria vary.

Study abroad in your Major at these UAlbany partner universities (these are just a few examples)!

(Students may find applicable coursework in Biology, Health Science, Medicine, Nursing, Nutrition, and Public Health.)

Argentina: Universidad del Salvador (USAL, Buenos Aires)

Australia: University of Notre Dame of Australia (Freemantle and Sydney); University of Wollongong (Wollongong)

China: Beijing Normal University (Beijing); Fudan University (Shanghai); Hong Kong Baptist University (Hong Kong); Peking University (Beijing); Sichuan University (Chengdu)

Denmark: Aarhus University (Aarhus); Study Abroad in Scandinavia (DIS Copenhagen)

Dominican Republic: Universidad Iberoamericana (UNIBE, Santo Domingo)

Finland: Abo Akademi University (Abo-Turku); Oulu University (Oulu); University of Helsinki (Helsinki)

France: University of Grenoble-Alpes (Grenoble)

Germany: German Universities of Applied Sciences (UAS7, Bremen, Cologne, Hamburg, Muenster); Wuerzburg University (Wuerzburg)

India: Symbiosis University (Pune)

Ireland: National University of Ireland, Galway

Israel: Ben-Gurion University of the Negev (Beer Sheeva)

Japan: Kansai Gaidai University (Hirakata City); Tohoku University (Sendai City)

Korea: Hallym University (Chuncheon); Yonsei University (Seoul)

Luxembourg: University of Luxembourg (Luxembourg)

Netherlands: HAN University of Applied Sciences (Arnhem, Nijmegen); Radboud University Nijmegen (Nijmegen)

Norway: University of Bergen (Bergen)

South Africa: University of Cape Town (Cape Town)

Sweden: Gothenburg University (Gothenburg); Study Abroad in Scandinavia (DIS Stockholm)

Taiwan: National Central University (Taoyuan); National Taiwan University (Taipei)

Trinidad and Tobago: University of the West Indies, St. Augustine

U.K.: University of Aberdeen (Aberdeen, Scotland); University of Glasgow (Glasgow, Scotland); University of Hull (Kingston-on-Hull, England); University of Nottingham (Nottingham, England)

Short-Term Experiential Education Options

The School of Public Health offers short-term, faculty-led, study abroad programs, centered on **Comparative Health Systems**, in Costa Rica (winter) and the Dominican Republic (spring break).

There is also a summer, interdisciplinary faculty-led program in Florence, Italy, entitled **Connecting Cities, Culture, and Health**.