

# Amsterdam IES

## *Psychology and Sciences*

### Select Courses as follows (15 credits in total):

- 3-5 VU courses (3-6 credits each)
- 1 optional IES course

### Important Notes:

- Courses below may not be available each term. These courses have been offered in the past. The articulations below indicate the IU-Bloomington equivalent credit. Please check [the Amsterdam IES website](#) for most up-to-date course offerings.
- Undistributed 100-level (-OS 100) courses have not yet been evaluated by an IUB department. Courses with a DEPT–OS 100 equivalent may count towards overall credits to graduate. However, students may submit the course materials to that department for evaluation towards a specific credit either before or after studying abroad.
- A course listed as OS200/300/400, the academic department has evaluated the course. Be in touch with the academic department to determine how course may fulfill degree requirements.
- Some courses may carry pre-requisites; be sure to check the program's site to determine eligibility.
- Students should inquire with [ksabroad@indiana.edu](mailto:ksabroad@indiana.edu) about business credit.
- VU does not offer every course each term. Students will need to review VU course offerings as provided by IES to determine which course will be available in the particular term in which they wish to study abroad. During the fall, semester students select a VU “minor” and take the courses associated with the minor.

### Symbol Key:

1. #: GEN ED A&H credit
2. %: GEN ED S&H credit
3. ~: GEN ED N&M credit
4. \*: The department has reviewed the course and determined it does not carry more than OS-100.
5. + IU Title: Special Topics in Foreign Study (upper-level elective credit in COLL)
6. ^ SPEA Topics courses; must obtain advisor approval whether course will apply to specific SPEA major based on IUB matriculation. [Check SPEA Approval List](#) and confirm with your O'Neill Advisor in advance of your study abroad experience.
7. ! Must confirm with Biology department how course may fulfill degree requirements.
8. † Some courses have different equivalencies depending on what the student has previously taken. Only students who have taken the first equivalency will receive the second equivalency.

**Amsterdam Course Title****IU Equivalent****IES Courses****Art History**

Highlights of Dutch Art: From Rembrandt to Mondriaan and Beyond ARTH-OS 100

**Business**

Social Entrepreneurship and Leadership for the 21<sup>st</sup> Century BUS-OS 100

**Gender Studies**

Introduction to the Study of Sexuality and Gender in the Context of Amsterdam GNDR-OS 100

Sex and Science: Dutch Medicine and Intersexuality GNDR-OS 100

**Germanic Studies**

Dutch Language in Daily Life GER-OS 100

**Political Science**

European Union in a Changing World: History, Politics, and Policy-making POLS-OS 100

Translating Race in Political Science POLS-OS 100

**Psychology**

Cross Cultural Psychology PSY-OS 100

**VU Courses****Biology**

Big Data in Biomedical Sciences (spring) BIOL-OS 100

Cell Biology: Histology (fall) BIOL-OS 100

Evolutional Developmental Biology (spring) BIOL-OS 100

Experimental Cell Biology I (fall) BIOL-OS 100

Experimental Cell Biology II (fall) BIOL-OS 100

Experimental Immunology (fall) BIOL-OS 100

From Protein to Cell (fall) BIOL-OS 100

Genes in Behavior and Health (fall) BIOL-OS 100

Genetics (fall) BIOL-OS 100

Human Development (spring) BIOL-OS 100

Introduction to Biomedical Sciences (fall) BIOL-OS 100

Medical Genomics (spring) BIOL-OS 100

Medical Pharmacology (fall) BIOL-OS 100

Molecular Cell Biology (fall) BIOL-OS 100

Molecular Genetics (spring) BIOL-OS 100

Pathology (spring) BIOL-OS 100

Research in Biomedical Sciences (spring) BIOL-OS 100

Science Communication for Researches (spring) BIOL-OS 100

Structure Biology (spring) BIOL-OS 100

**Business**

Introduction to Business Analytics (fall) BUS-OS 100

Logistics Analysis (fall) BUS-OS 100

Open Innovation in Science (fall)	BUS-OS 100
Service Science (fall)	BUS-OS 100
Theories of Technology Venture Creation (fall)	BUS-OS 100
<b>Chemistry</b>	
Antimicrobial Compounds: (fall) From Clinical Use to Target Analysis and Drug Development	CHEM-OS 100
Biochemistry	CHEM-OS 100
Biochemistry in Health and Disease (fall)	CHEM-OS 100
Biochemistry Research (spring)	CHEM-OS 100
Medical Biochemistry (fall)	CHEM-OS 100
<b>Cognitive Science</b>	
Introduction to Information Sciences (fall)	COGS-OS 100
Dynamic Modelling for Socially Aware Systems (fall)	COGS-OS 100
Physical Computing (fall)	COGS-OS 100
<b>Computer Science</b>	
Advanced Programming (fall)	CSCI-OS 100
Advanced Programming for Computer Science (fall)	CSCI-OS 100
Automata and Complexity (spring)	CSCI-OS 100
Combinatorial Optimization (spring)	CSCI-OS 100
Computational Intelligence (spring)	CSCI-OS 100
Computational Thinking (fall)	CSCI-OS 100
Computer Networks (spring)	CSCI-OS 100
Concurrency & Multithreading (fall)	CSCI-OS 100
Databases (spring)	CSCI-OS 100
Dynamics and Computation (spring)	CSCI-OS 100
Equational Programming (fall)	CSCI-OS 100
History of Science (spring)	CSCI-OS 100
Introduction to Artificial Intelligence (fall)	CSCI-OS 100
Introduction to Computer Science (fall)	CSCI-OS 100
Introduction to Programming: Java (fall)	CSCI-OS 100
Machine Learning (spring)	CSCI-OS 100
Operating Systems (fall)	CSCI-OS 100
Principles of Bioinformatics (fall)	CSCI-OS 100
Principles of Systems Biology (fall)	CSCI-OS 100
Secure Programming (fall)	CSCI-OS 100
Software Design (spring)	CSCI-OS 100
Systems Architecture (fall)	CSCI-OS 100
<b>Earth and Atmospheric Sciences</b>	
Climate Science (fall)	EAS-OS 100
Introduction to Biogeosciences (fall)	EAS-OS 100
Introduction to Planetary Science (fall)	EAS-OS 10
Sustainable Energy: Sun, Water and Wind (spring)	EAS-OS 100
<b>Germanic Studies</b>	
Discovering Dutch: Language and Culture	GER-OS 100

## History

Current Debates in Global History	HIST-OS 300
Imagining the Dutch: Themes in Dutch Culture	HIST-OS 300

## Human Biology

Human Anatomy and Physiology (fall)	HUBI-OS 100
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## Informatics

AI in Health (spring)	INFO-OS 100
Data Structures and Algorithms (fall)	INFO-OS 100
Human-Computer Interaction (spring)	INFO-OS 100
Information Management (fall)	INFO-OS 100
Information Retrieval (fall)	INFO-OS 100
Introduction to Data Science (fall)	INFO-OS 100
Knowledge and Data (fall)	INFO-OS 100
Multi-Agent Systems (fall)	INFO-OS 100
Networks and Graphs (spring)	INFO-OS 100
Operations Research (spring)	INFO-OS 100
Philosophy (spring)	INFO-OS 100

## Math

Analysis I (fall)	MATH-OS 100
Applied Analysis: Financial Mathematics (spring)	MATH-OS 100
Basic Concepts in Mathematics (fall)	MATH-OS 100
Calculus 1 (fall)	MATH-OS 100
Calculus 2 (fall)	MATH-OS 100
Complex Analysis (spring)	MATH-OS 100
Differential Geometry (fall)	MATH-OS 100
Discrete Mathematics (fall)	MATH-OS 100
Dynamical Systems (spring)	MATH-OS 100
Fourier Analysis (fall)	MATH-OS 100
Group Theory (spring)	MATH-OS 100
Linear Algebra	MATH-OS 100
Logic and Modelling (spring)	MATH-OS 100
Mathematical Analysis (spring)	MATH-OS 100
Mathematical Systems and Control Theory (spring)	MATH-OS 100
Multivariable Calculus (spring)	MATH-OS 100
Measure Theory (fall)	MATH-OS 100
Number Theory (fall)	MATH-OS 100
Numerical Methods (fall)	MATH-OS 100
Partial Differential Equations (spring)	MATH-OS 100
Probability Theory (spring)	MATH-OS 100
Rings and Fields (fall)	MATH-OS 100
Single Variable Calculus (fall)	MATH-OS 100
Stochastic Modelling (fall)	MATH-OS 100
Topology (spring)	MATH-OS 100

## Psychology

Behavior and the Brain Part 1: Addiction (spring)	PSY-OS 100
Cognitive Neuroscience (fall)	PSY-P 349
Cognition and Emotion (spring)	PSY-OS 300

Cooperation and Competition (spring)		PSY-OS 100
Education and the Good Life (fall)		PSY-OS 100
Emotion and Social Cognition (spring)		PSY-OS 100
Evolutional Psychology (fall)		PSY-OS 300
Mind, Brain and Education (spring)		PSY-OS 100
Molecular Principles of Brain Disorders (fall)		PYS-OS 100
Neurological and Psychiatric Disorders (fall)		PSY-OS 400
Neurosciences (fall)		PSY-OS 100
Research Toolbox (fall)		PSY-OS 100
Sensation and Perception (spring)	(CASE N&M)	PSY-P 329
Stress and Health (spring)	(CASE N&M)	PSY-P 303
The Adaptive Brain (fall)		PSY-OS 400

### **School of Public and Environmental Affairs**

Decisions, Power, and Controversies (spring) in Sustainable Development		SPEA-OS 100
Drivers of Change in Global Health (fall)		SPEA-OS 100
Future Challenges in Global Health (fall)		SPEA-OS 100
Governance of Global Sustainability (fall)		SPEA-OS 100
Human Resource Development (spring)		SPEA-OS 100
Sustainability and Environmental Change (fall)		SPEA-OS 100
Transport and Environmental Economics (fall)		SPEA-OS 100

### **School of Public Health**

Double Burden of Disease (fall)		SPH-OS 100
Food for Thought (fall)		SPH-OS 100
Genetics and Public Health (fall)		SPH-OS 100
Health at Work (fall)		SPH-OS 100
Heart Failure and Therapy (fall)		SPH-OS 100
International Public Health (spring)		SPH-OS 100
Key Strategies in Disability and Neuropathy (fall)		SPH-OS 100
Moving Matters in Health (fall)		SPH-K 450
Oncology and Public Health (fall)		SPH-OS 100
Sexual Health: Threats and Opportunities (fall)		SPH-OS 100

### **Statistics**

Analyses Toolbox (fall)		STAT-OS 100
Statistics (fall)		STAT-OS 100
Statistical Methods (fall)		STAT-OS 100
Statistics and Methodology (spring)		STAT-OS 100
Statistical Data Analysis (spring)		STAT-OS 100