



# DEPARTMENT OF GEOGRAPHY

## CALIFORNIA STATE UNIVERSITY LONG BEACH

### Certificate in Geography and Security

#### **Why Security?**

Careers in Security can be found in corporations such as Disneyland and Boeing, in NGOs like Doctors without Borders, and not only government (CIA, Homeland Security, or the National Geospatial Intelligence Agency). Security careers also include human security – areas such as global climate change, epidemics, economic development, natural hazards! The number of jobs in the fields of security and intelligence are expanding, with many new opportunities for interesting and meaningful careers, with great pay and benefits.

#### **Why Security and Geography?**

Geography is an integrative discipline. We excel at combining and synthesizing research from many disciplines to solve complex, multi-layered real-world problems. Security is at the forefront of these, and geography provides key knowledge and tools to solve them. *Yes! Geography is a STEM discipline.*

#### **What is the Certificate in Geography and Security at CSULB?**

The *Certificate in Geography and Security* ensures that students have the insights, critical thinking and writing skills that jobs in security and intelligence require. CSULB Geography offers courses in advanced cartographic techniques - with geospatial technology and mapping sciences (e.g. GIS, Remote Sensing & cartographic visualization), regional (e.g. South Asia, Europe, Middle East) and thematic courses (e.g. environmental justice, race, place & culture, political geography, climatology) and the IC CAE program. By adding a few requirements and options in other CLA departments, such as Spanish language, you will strengthen your qualifications in the security and intelligence fields and earn a Certificate in Geography and Security.

#### **What is the Intelligence Community Academic Center of Excellence (IC CAE)?**

Our Department is a Center of Academic Excellence for the Intelligence Community partner, and over 260 CSULB students have participated in and benefitted by getting an internship or a job in intelligence agencies such as CIA. This federal recruitment program is part of a national program run by ODNI, the Office of the Directorate of National Intelligence.

#### **Why become an IC CAE scholar?**

This is why: increased networking and engagement opportunities with Intelligence Community agencies AND competitive advantage when applying for internships and jobs in the Intelligence Community! Some of our former IC CAE students are now employed in Federal, State and local governments and in private sector intelligence jobs (Booz, Allen and Hamilton for ex.).

***While earning your Security Certificate, you are a perfect candidate to participate in the IC CAE professional program. Already an IC CAE scholar in your Community College? Perfect! Come join us @ CSULB Geography and continue your path to a great career in Intelligence.***

## CERTIFICATE IN GEOGRAPHY FOR SECURITY (Minimum 21 units)

The *Certificate in Geography for Security* focuses on concepts and skills in high demand across a range of human security fields (such as environmental change, intelligence, and food security), and promotes global civic engagement and leadership.

Units	Semester	Certificate Requirements	Transfer/ Substitute
		<b>Prerequisite Course*</b>	
		GEOG 200 Intro Research Methods for Geography (or equivalent)	
		<b>A. Core Courses ( 3 courses, 9-10 Units)</b> <i>Take each of the following courses</i>	
		GEOG 470 Political Geography	
		GEOG 280 Introduction to Geospatial Techniques or GEOG 371: Geospatial Science for Health or GEOG 481: GIS for Natural Science	
		PHIL 352 Philosophy of Law	
		<b>B. Regional Courses (2 courses, 6 units)</b> <i>Take two of the following courses</i>	
		GEOG 304; GEOG 306; GEOG 309; GEOG 313; GEOG 314; GEOG 315; GEOG 316; GEOG 318; GEOG 321; GEOG/IST 355; HIST 340; HIST 343; HIST 437; RGR 314; A/ST 307, A/ST 307, HIST 341B, HIST 382B; HIST 383B; HIST 388; HIST 392; HIST 393; HIS 407; HIS 412; HIST 418; HIST 432; HIST 463; HIST 464; HIST 491; IST 476; JAPN 452; PHIL 306; POSC 362; POSC 358; POSC 481; POSC 367	
		<b>C. Geospatial and/or Language Options (2 courses, 6-8 units)</b> <i>Take two of the following courses</i>	
		<b>Two</b> upper division courses in either Geospatial techniques or in a foreign language from the following list: Two courses in Geospatial techniques (8 units): GEOG 473 (4); GEOG 475 (4); GEOG 482 (4); GEOG 484 (4); GEOG 485 (4); GEOG 487A (4); GEOG 487B (4); GEOG 488 (4) <i>or</i> <b>Two</b> courses in languages (6 units): SPAN 300 (6); SPAN 314 (3); SPAN 335A (3) or SPAN 335B (3); FREN 312A (3); FREN 312B (3); FREN 314 (3), FREN 320 (3); GERM 301 (3); GERM 302 (3); or GERM 305 (3); ITAL 312A (3); ITAL 312B (3); or ITAL 314 (3); RUSS 312 (3); RUSS 314 (3); CHIN 301 (3); CHIN 302 (3); or CHIN 311(3); JAPN 301 (3); JAPN 302 (3); JPN 311(3); or JAPN 312 (3) <i>or</i> <b>One</b> course in Geospatial techniques and <b>one</b> in languages from the list above (7 units)	
		<b>TOTAL units (minimum 21 units)</b>	
<b>Approved By:</b>			<i>date</i>

**Dr. Linna Li**, Undergraduate Advisor, Geography ([Linna.Li@csulb.edu](mailto:Linna.Li@csulb.edu))

\* Certificate Prerequisites: (1) completion of GE Foundation requirements (or advisor consent); (2) Introductory statistics (GEOG 200, STAT 108, SOC 170, HDEV 190, PSY 110 or equivalent); (3) a score of 11 or higher on the GEAR Placement Examination or successful completion of a GEAR portfolio course; and (4) if the student elects to develop a language specialization in Chinese or Japanese, they should have reached 202 level of demonstrated competency in AAAS or equivalent.