

Barcelona 2011 – Information

May 11 – July 26

www.cc.gatech.edu/barcelona | barcelona@cc.gatech.edu

Program fee: \$5,100 The program fee includes housing (double rooms with in-suite kitchens and bathrooms; A/C; internet), health insurance, and airport transportation in Barcelona.

In-State Tuition Your current in-state tuition for 12 credit hours; plus \$250 for out-of-state students.

Group Airfare (optional): \$982 (ATL-BCN-ATL)

Application & Payment Schedule

Application & Deposit	\$250	Jan 15
½ Program Fee	\$2,425	Feb 18
Remaining Balance	\$2,425	Mar 18
Tuition & Fees	In-State*	May 11

* Your current in-state tuition (if out-of-state, add \$250).

Courses Open to ALL Majors: Rising Sophomores, Juniors, Seniors

No prerequisites needed for any courses.

ARCH 4128: Barcelona: Architecture and Design

This course takes direct advantage of its location in Barcelona to study the diverse components of the city's design culture: primarily architecture and product design, but also graphics, street fashion, urban design, food and art. Through a mix of lectures, discussions and site visits, students engage first-hand in Barcelona's history and culture, and are given a framework and vocabulary to make sense of the particular sensibility that informs the city's architecture and design.

COA 4803: Cities and Citizens: What Makes Great Cities Great

This course looks at cities and city life with an eye toward increasing 'city literacy': the ability of city users and inhabitants to understand and engage the city around them. The course provides a conceptual and empirical understanding of the city, city life, and the process through which they are negotiated. Course material places as much emphasis on political, social, cultural, and economic factors as it does on everyday experiences.

CS 3750/PSYC 3750: Human-Computer Interface Design and Evaluation

This course teaches how to design human-computer interfaces that are usable and effective, using principles and methods that apply to all interactive systems—desktops, laptops, pads, smart phones and consumer devices. Topics include human perceptual and cognitive capabilities, methods to understand user requirements and needs, as well as ways to evaluate interactive systems. Groups design, prototype and test interactive systems.

CS 4001: Computing, Society & Professionalism

This course examines computing as a social process, with emphasis on ethical and social impacts on local and global organizations. Topics include the responsibilities of computing professionals, intellectual property, privacy governance and policy, and system safety and security. The course also discusses the social context of computer-based technology especially as it is revealed in transitional and cross-cultural differences.

CS 4460: Information Visualization

Information visualization starts with and goes beyond presenting data as static charts, graphs and maps by leveraging the power of computer interaction to help people analyze, understand and make decisions from data. We discuss applications in business, government, news media; design principles, how to leverage computer interaction to gain insights, ways to visualize many different types of data (survey/multivariate, trees, graphs and networks, time series, computer performance, business performance) as well as human perceptual and cognitive characteristics that affect the design of information visualizations. Groups design and prototype an information visualization.

CS 4475: Computational Photography

This course explores perceptual and technical aspects of photographs, and more precisely the capture and depiction of reality by computational means. The scientific, perceptual, and artistic principles behind image-making will be emphasized. In this class, students will get to do fun things with photographs and computers. Topics include creating panoramas, high-dynamic range images (as recently seen in the iPhone), 3D reconstruction, and a host of other techniques that will give students a new appreciation for the unique combination of computing and photographic media.

SPAN 1813 / 2813 / 3813: Spanish-language courses at different proficiency levels