

Sponsors:



Exhibitors:



November 10, 2011

Lone Star College - CyFair

www.HoustonAreaGISDay.org

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Schedule of Events on November 10, 2011 – Lone Star College Cy-Fair

ART Center, Auditorium

9:00 a.m. - 9:15 a.m.	<u>Welcome & Introductions, Recognition of Dignitaries</u> David Moss, HCAD
9:15 a.m. - 9:20 a.m.	<u>Opening Address and Remarks</u> Dean Ted Lewis, Lone Star College Cy-Fair
9:20 a.m. - 10:00 a.m.	<u>Keynote Speaker:</u> Jeff Saunders, Texas Task Force 1 "Components of Disaster Management and Readiness Strategies Utilizing GIS"

College Center

10:00 a.m. - 4:00 p.m.	Exhibit Hall and Map Gallery Open
	<u>Speaker Presentations</u>
10:15 a.m. - 10:45 a.m. RM151	"Utilizing GIS for Wildfire Response" Amber Knapp, Montgomery County
11:00 a.m. - 11:30 a.m. RM151	"Mapping Sciences – The Pandora's Box of GIS" Michael Barnes, APSG
11:30 a.m. - 12:00 p.m. RM151	"How GIS is used by Upstream Oil & Gas" Kyle Souza, TractBuilder, LLC
12:00 p.m. - 1:00 p.m.	<u>Lunch Break - ART Center, Front Patio</u>
1:00 p.m. - 1:30 p.m. RM151	"GIS Use in Engineering Projects" Jeff Scarborough
1:35 p.m. - 2:05 p.m.	<u>Students – Kids Closing Sessions</u>
ART Center, Auditorium	
2:30 p.m. - 3:00 p.m. RM151	"An Evolution of GIS at Anadarko" Kathy Stevens, Anadarko Petroleum
3:00 p.m. - 3:30 p.m.	"Valuing Property with the Help of GIS" Errol Williams & Shelly Summers, HCAD
3:30 p.m. - 4:00 p.m.	"Petrochemical Incident Location System (PILS) Latisha Clark, Texas Southern University

Special Thanks to our 2011 GIS Day Planning Committee and Their Organizations



Allison Alford, Western Data Systems	Lori Kircher, City of Houston, PWE
Ashok Wadwani, Applied Field Data Systems	Mandy Lu, City of Houston, PWE-PUD
David Moss, HCAD GIS Day, Chair	Maria Vera, Houston TranStar
Grant Garrison, Port of Houston Authority	Melvic Degracia, Harris County PID
Greg Arnold, Missouri City	Michael Goh, City of Houston-PUD
Jackie Smith, City of Houston	Nicholas Popovich, ESRI
Jean Niswonger, Rice University	Noel Estwick, Prairie View A&M
Jeremy Scott, Texas Department of Transportation	Phillip Nguyen, Harris County Appraisal District
Kim Ricker, Rice University	Robert LaBarbera, Houston-Galveston Area Council
Larry Nierth, City of Houston, P&D	Scott Lamon, Harris County Flood Control District
	Vince Hamilton, JACOBS

Keynote Speaker

Keynote Speaker: Jeff B. Saunders, Operations Chief, Texas Task Force 1 “Components of Disaster Management & Readiness Strategies Utilizing GIS”



Jeff has 30 years in the fire service which started as a seasonal wild land fire fighter. He worked as a structural firefighter in New Mexico with Santa Fe County Fire Department, 6 years as a District Chief and 5 years as Assistant Chief of Operations. As the Operations Chief, he implemented and managed the county wide technical rescue team. Jeff was active with New Mexico Task Force 1, serving as a Rescue Specialist, Heavy Rigging Specialist and Task Force Leader.

Currently, Jeff is primarily responsible for the readiness and response of Texas Task Force 1, Urban Search and Rescue Team. Texas Task Force 1 (TX-TF1) is the response component of the Texas Engineering Extension Service (TEEX). TEEX is the agency having jurisdiction for search and rescue under Annex R in the State of Texas Emergency Management Plan. Jeff concentrates his abilities towards operational, training and logistical readiness preparation of the task force personnel and equipment needed for response to natural and man-made disasters such as structural collapse, overhead, and flood and swiftwater mitigation.

Saunders responded to the Pentagon during 9-11 as well as deploying for Hurricanes Ivan, Katrina, Rita, Ike and Alex. Awards Jeff has received include being appointed to the New Mexico Task Force 1 Steering Committee by Governor Gary Johnson, and the Santa Fe County Fire Department Medal of Valor for exemplary service beyond the call of duty during the Cerro Grande conflagration in Los Alamos, NM.

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City of Houston Planning & Development
 611 Walker St., 6th Floor, Houston, TX 77002
 GIS Services Help Desk: (713)837-7777
 Fax: (713)837-7716

The Planning & Development Department maintains and operates the City of Houston Geographic Information System (COHGIS). COHGIS staff utilize data provided by Federal, State, County and local government entities to produce data sets that are distributed and used by other GIS operations, both public and private, within this region. The department is also leading an initiative to create an Enterprise GIS Service, focused on bridging access to the City's various data resources through data standards, enterprise database technology, Web portal services and new applications development. A core team of GIS analysts and developers is currently undertaking this exciting challenge.



City of Houston
Department of Public Works and Engineering,
Information Technology
Geographic Information and Management System (GIMS)
 611 Walker, Houston, TX 77002
 Phone: 832-395-2667
 Pwe.gis@cityofhouston.net
<http://www.gims.houstontx.gov>

The City of Houston Department of Public Works and Engineering provides detailed infrastructure information and GIS technologies and services to its employees through the Geographic Information & Management System (GIMS). This system is available to the general public online and includes over 300 data layers. Among the online applications fully integrated with GIS, are the Street Cut Permit System (SCPS), Steel Plate Permit System, Traffic and Transportation Permit System, Houston Bikeways, and Utility Analysis System. Other GIS/Web based applications are continually being developed and refined to meet the needs of users.

Exhibitor Profiles



Western Data Systems
14722 Regnal, Houston, TX 77039
Office: 281-987-1815 Toll Free: 281-897-1815
www.westerndatasystems.com

Western Data Systems is an authorized Trimble dealer specializing in the sales, rental, training and service/repair of Trimble GPS and Optical Land surveying, Mapping, Marine and Construction products. With offices in Houston, Dallas, San Antonio, Austin, Oklahoma City and Pharr you are never far away from the experts.

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GIS Student's Day Computer Lab Sponsors



GIS Day Poster Designer



Exhibitor Profiles

City of Houston
Department of Public Works and Engineering
Public Utilities Division (PUD)
Business Services Branch - GIS Services
611 Walker, Houston, TX 77002
<http://www.publicworks.houstontx.gov/utilities/index.html>



The GIS Services Group is tasked with providing GIS technology to all branches within the Public Utilities Division. The group is comprised of Data Management and Data Analysis Teams working towards a common goal of developing the most accurate GIS data sets. These data sets enable the PUD branches to perform their Core Business functions more effectively. The Data Management Team creates and maintains quality geospatial data for the City's water distribution systems and wastewater collection systems while the Data Analysis Team focuses on uncovering insights and trends to improve management decisions.

ESRI Houston Satellite Office
11200 Westheimer, Suite 630
Houston, TX 77042
p: 713.401.0658 f: 713.782.5958
www.esri.com



ESRI's geographic information system (GIS) software has given clients the power to think and plan geographically for over 40 years and is used in more than 300,000 organizations worldwide. GIS helps cities, governments, universities, and Fortune 500 companies save money, lives, and our environment. From transporting ethanol to studying landslides, GIS combines hardware, software, and data to collect, manage, and analyze geographic information, which helps people view relationships, patterns, and trends. Solve problems and make better decisions by looking at your valuable data in a way that is quickly understood and easily shared.

Exhibitor Profiles



Harris County Appraisal District
13013 Northwest Freeway, Houston, TX 77040
Office: 713-957-7489 Fax: 713-957-7489
www.hcad.org

The Harris County Appraisal District, a political subdivision of the State of Texas, is responsible for local property tax appraisal and exemption administration for nearly 640 jurisdictions (taxing units) in America's third most populous county. Over 1.3 million property parcels are located in our service area and consequently in our GIS database. The GIS at HCAD, since its inception in 1993, has become a critical tool used daily by HCAD staff. The result of our GIS, detailed and accurate maps and data, have become the staple for local taxing units and government agencies, property owners and private industry alike.



Harris County Flood Control District
9900 Northwest Freeway, Houston, TX 77092
Office: 713-684-4000 Fax: 713-684-4140
www.hcfcd.org

The Harris County Flood Control District is a special purpose district created by the State legislature in 1937 in response to devastating floods that struck the region in 1929 and 1935. The District's boundaries are coincident with Harris County, and the Harris County Commissioners Court serves as our "board of directors" to provide our elected representation. In June 1998, the District became part of the new Harris County Public Infrastructure Department, although the Harris County Flood Control District remains a separate legal entity and retains its public identity. The District will be working with the Public Infrastructure Department to identify opportunities for improved coordination and efficiency with its other divisions. The Flood Control District's mission in simple terms is to: devise the flood damage reduction plan; implement the plan; and, maintain the infrastructure.



Harris County Information Technology Center (ITC)
Architecture Team, Front Office Applications/GIS and
The Spatial Services Committee for Harris County
1310 Prairie Suite 1501, Houston Texas, 77002
713-368-0006

Enterprise-wide GIS functionality is available to Harris County departments through the Information Technology Center (ITC). Identifying and meeting the business' demands is a core challenge in a new era at ITC. Our Front Office Applications team is growing with additional GIS tools. More than answering "Yes" to the question "Can you print a map for me," we enjoy showing how a geographical point can have mountains of information behind it. GIS can use business information and add logic to solve crimes, help decisions about where to place polling locations, better assign parolees to probation officers, and map underground utilities in parks "as built", not "as designed". Through our customers in Harris County departments, citizens are better served with GIS technology.

Exhibitor Profiles

Texas Southern University
3301 Cleburne, Houston Texas
Center For Transportation Training and Research
Program Recruiting Desk: 713-313-7284



Urban Planning & Environmental Policy
Program Recruiting Desk: 713-313-4836

TSU established its first Masters of City Planning program in the 1970's. In 2003, a reconstituted program Urban Planning & Environmental Policy continued the tradition of offering geographic information systems classes as a staple. TSU have been a licensed user of ESRI GIS programs since 1988 with the advent of ArcInfo 1.0. Currently students are trained using all aspects of the ArcInfo platform. The program offers both a Masters in Urban Planning & Environmental Policy (MUPEP) and a PhD. The Masters program has four concentrations with Geographic Information Systems using ESRI state of the art ArcInfo programs utilized in all concentrations. We are committed in staying relevant in all aspects of our urban environment by utilizing the best faculty, resources, and systems to foster competent graduates' that can take the call from day one.

TractBuilder
5338A Darling Street
Houston, TX 77007
Office: 713-300-9709 x1003 Fax: 866-95-TRACT
E-mail: kyle.souza@tractbuilder.com



TractBuilder LLC specializes in innovative GIS solutions and software. TractBuilder is owned and operated by GIS professionals who have been in the industry for over twenty years. We are known for our responsive customer care, unique Tools for ArcGIS, and amazing web portals. And by partnering with related service providers we are able to offer our clients amazing service at the right price. Our Tools for ArcGIS allow users to efficiently map polygons and lines according to metes and bounds as well as quartering (PLSS/aliquot) legal descriptions. Our on staff GIS analysts and drafting personnel have been trained to provide the highest quality work in the shortest amount of time, accelerating our drafting services beyond our competitors capabilities. And our web portals are unparalleled when it comes to ease of use, on both the front and back-ends.

U.S. Geological Survey, Texas Water Science Center
19241 David Memorial Dr, Ste 180
The Woodlands, TX 77385
Ph: 936.271.5341 Fax: 936.271.5399
email: mrjohns@usgs.gov



The USGS is a science organization that provides impartial information on the health of our ecosystems and environment, the natural hazards that threaten us, the natural resources we rely on, the impacts of climate and land-use change, and the core science systems that help us provide timely, relevant, and useable information. The USGS serves the Nation by providing reliable scientific information to describe and understand the Earth; minimize loss of life and property from natural disasters; manage water, biological, energy, and mineral resources; and enhance and protect our quality of life. As the Nation's largest water, earth, and biological science and civilian mapping agency, the U.S. Geological Survey (USGS) collects, monitors, analyzes, and provides scientific understanding about natural resource conditions, issues, and problems. The diversity of our scientific expertise enables us to carry out large-scale, multi-disciplinary investigations and provide impartial scientific information to resource managers, planners, and other customers.

Exhibitor Profiles



Lone Star College-CyFair/ Fairbanks Center
9191 Barker Cypress, CENT 155-E
Cypress, TX 77433
kelly.a.norton@LoneStar.edu
LoneStar.edu/cyfair

Lone Star College-CyFair: Something for Everyone

Serving approximately 20,000 students, Lone Star College-CyFair offers options, flexibility and affordability with day, evening, online, Friday only and Weekend College courses. Students can choose from a wide range of associate degrees, workforce certificates, university transfer courses and continuing education courses. LSC-CyFair's facilities, programs and services are designed to provide a successful learning experience that prepares students for the rapidly changing workforce and for a lifetime of learning and change. There are two convenient locations to serve the community: the Barker Cypress campus set on 200+ acres at 9191 Barker Cypress at West Road and the full-service satellite LSC-Fairbanks Center at 14955 Northwest Freeway near Beltway 8. Visit LoneStar.edu for information.



Pictometry
Direct:281-246-1044 Office: 832-724-8696
www.pictometry.com

Headquartered in Rochester, NY, is a leading provider of geo-referenced aerial, oblique image libraries and related software. With customers throughout the U.S. and licensing partners around the globe, Pictometry uses a proprietary image capture process to produce Pictometry Intelligent Images(r) so you can See Everywhere, Measure Anything, Plan Everything.(r)



Surdex Corporation
25622 Creston Meadow Drive
Richmond, TX 77406
Tel: 281.232.4749
Fax: 281.232.4329

Surdex has been recognized as a premier geospatial data provider since 1954, supplying accurate and precise information—on time and within budget—to a diverse client base. Our success can be attributed to our focus on client satisfaction through timely delivery of quality products and continuous innovation from our investment in staff and equipment resources.

Surdex provides orthophotography; planimetric and topographic maps; LiDAR and hydrographic mapping as well as data hosting services. A distinguisher for Surdex is our commitment to helping clients achieve their goals and objectives. We have a highly-trained and experienced staff that provides complete geographic solutions customized to client needs and expectations.



Tessellations Inc.
2002 Timberloch Place, Suite 420
Woodlands, TX 77380
Phone: 936-321-1998
Fax: 281-667-3253
www.tessellations.us

Tessellations Inc. (www.Tessellations.us) was established in 1998 to serve the Greater Houston Area with high quality Geographic Information Systems (GIS) and Remote Sensing services. Our services include on-site user support and end-to-end GIS consulting services. Tessellations is currently servicing several local governments with data conversion, application development, and ArcGIS server tuning and maintenance needs. Tessellations Inc. also has ESRI authorized trainers for Introduction to ArcGIS II and III, and Working with ArcGIS Spatial Analyst. Training can be conducted at either the client site or at our training center in The Woodlands.

Exhibitor Profiles



Harris County Public Infrastructure Department
CAMS (County Asset Management System)
1001 Preston, 5th floor, Houston, Texas 77002, 713-755-7194

The Harris County Asset Management System (CAMS) was established in June 2004, during the Capital Improvements Hearing, in which the Harris County Commissioners' Court authorized; "Management Services and PID to develop an asset management system for tracking of infrastructure. Included will be a centralized system for recording all county owned land including historic cost and values. These records will assist the County Auditor in preparation of the county's financial statements." To date the CAMS team has developed several solutions utilizing various technologies. Show cased for GIS Day, a corner stone application, the CAMS Viewer, is a browser based mapping application which provides a user friendly interface for non GIS experts to view various map features which originate from the Public Infrastructures Geographic Information System (GIS) and their associated data sets from multiple databases. This solution brings a more comprehensive data view to our project managers and our executive level personnel to assist them with their decision making processes or to better direct their project related questions to the appropriate personnel. Utilizing this and other toolsets, the CAMS team has also been able to develop a more accurate inventory of county assets. This tool can be used by the Harris County Auditor to assist with their asset reconciliation processes.

Houston-Galveston Area Council (H-GAC)
Data Services
3555 Timmons Lane, Suite 120, P.O. Box 2277
Houston, TX 77027
Office: 713-627-3200 Fax: 713-993-2481
www.h-gac.com



The Houston-Galveston Area Council (H-GAC) is a voluntary association of local governments and local elected officials in the 13-county Gulf Coast Planning Region, an area of 12,500 square miles with over 5 million people. Local elected officials organized H-GAC in 1966 after authorization by State enabling legislation. H-GAC now has 132 local government members, including all major general-purpose local governments in the 13-county region: 13 counties, 105 cities, 14 school districts. H-GAC gives highest priority to serving local government needs to help them plan for tomorrow. It promotes voluntary approaches in region-wide purchasing, solid waste management, air and water quality, workforce development, criminal justice system improvements and law enforcement officer training, transportation system improvement planning, 9-1-1 emergency communications, services to senior citizens, and other significant areas of concern to local government.

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iKAN and QBase provide an end-to-end document management workflow that includes one-touch scanning from a stand-alone appliance, conversion to text, geospatial entity extraction, and GIS mapping for data search and discovery applications.

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CenterPoint Energy operates in five primary businesses: electric transmission and distribution, natural gas distribution, interstate natural gas pipelines, field services, and competitive natural gas sales and services. The energy we deliver is at the center of our customers' lives: from 24-hour a-day television broadcasts ... to gourmet gas kitchens ... to comfortable gas heating ... to handheld computers and cellular phone connections.

CenterPoint Energy is a company of people who are "always there."

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Founded in 1945, Dannenbaum Engineering is a long term success story. Proof of our staying power is evident both in the enduring relationships we build with our clients and in the long-lived projects we help them construct. Over 60 years we've seen markets shift, client expectations expand and technology evolve in astounding ways. Yet through it all, our framework has remained stable and our strategy has never wavered. By combining depth of experience with forward-thinking solutions, Dannenbaum is helping clients achieve their goals and expectations.

JACOBS

Jacobs Engineering Group is a global company with over 56,000 employees of which over 2,000 are based in the Houston, Texas office. The Jacobs technical expertise includes Building Information Modeling (BIM), Application development and all facets of GIS implementation from planning through enterprise deployment and onsite support. Contact Vince Hamilton at 832-405-9764 for more information related to Jacobs services.

Student Schedule: Group A-Yellow, Group B-Green, Group C-Blue, Group D-Pink Campus Police: 281-290-5911		8:45-9:00 am	9:00-10:05 am	10:15 - 10:45 am	10:55 - 11:25 am	11:35 - 12:05 pm	12:15 - 12:45 pm	12:55 - 1:25 pm	1:35 - 2:05 pm
Arrival, Group, and Escort to College Center	ABCD								
Opening Ceremonies - Arts Building - Auditorium	ABCD								
GPS Tools & Applications Presentation - Arts Auditorium			A	B	C	D			
Geography Bee - Arts Building RM 102			B	A	D	C			
Geocaching Session - Outside Arts Building			Selected 5 from A & B			Selected 5 from C			
Internet Lab A - Tech Center - RM 110			C1	D1	A1			B1	
Internet Lab B - Tech Center - RM 114			C2	D2	A2			B2	
Mobile Units - Outside Library			D - 20 Min (10:15 - 10:35)	C - 20 Min (11:20 - 11:40)	B - 20 Min (11:35 - 11:55)			A - 20 Min (12:55 - 1:15)	
Exhibits - College Center - RM 152 & 153			D	C	B			A	
Lunch - Outside Art Building							ABCD		
Closing Ceremonies Arts Auditorium									ABCD

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Thank you very much to our sponsors, without whose generous contributions GIS Day would not be possible.



Among the largest independent oil and natural gas exploration and production companies in the world, with 2.4 billion barrels of oil equivalent (BBOE) of proved reserves at year-end 2010. At Anadarko, we are committed to safely producing the energy we all need in a manner that protect the environment, public health and supports our communities. Energy is fundamental to physical existence. It is as important as clean air, water and affordable food. We take our responsibility seriously to deliver resources to our energy-hungry world, and we hold true to our core values of integrity and trust, servant leadership, commercial focus, people and passion, and open communication in all of our business activities.



The Virginia and Andre Bally GIS Study Scholarship, established by the Bally family, awards \$500 to a Houston area high school student that wins the GIS Day Essay Competition.



Founded in November 1998, the Americas Petroleum Survey Group (APSG) is an unincorporated association of individuals. Members include experts in geomatics, surveying, positioning, geospatial data management, and mapping sciences from E&P companies, oilfield service companies, survey contractors, consultants, and academia. Check out the impressive mix of companies at our Public Member Directory.

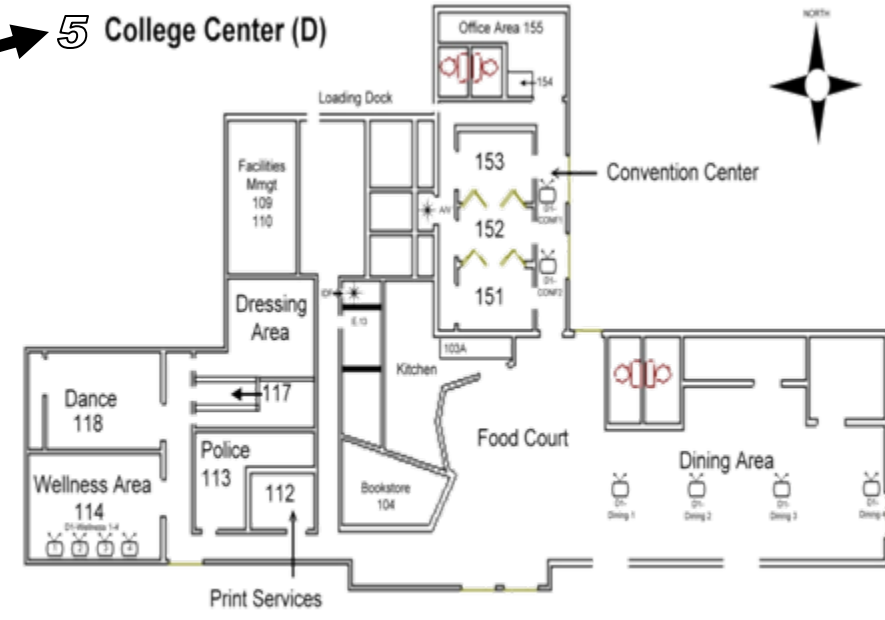
APSG is well regarded for its industry leadership, educational programs, and professional networking.



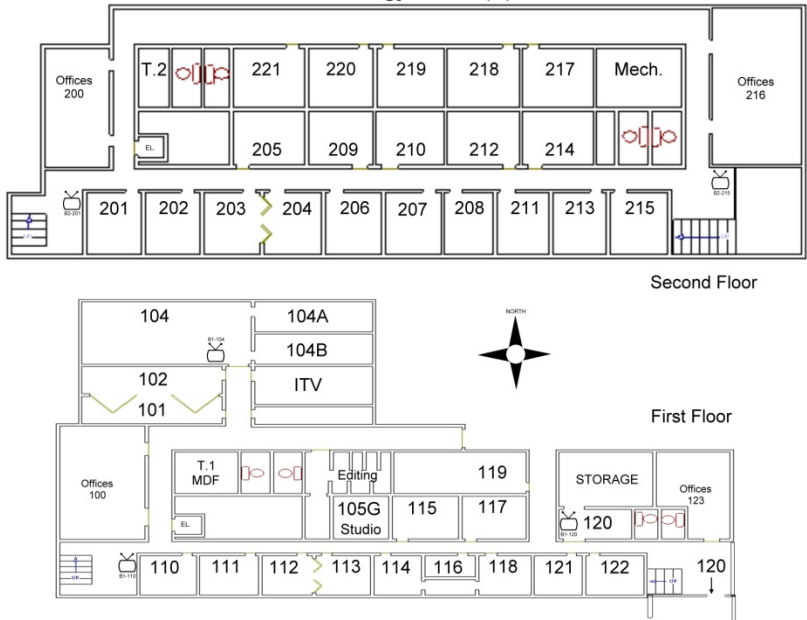
Campus Map



5 College Center (D)



2 Technology Center (B)



1 Center For The Arts (A)

