



2020 FORENSIC SYMPOSIUM

APRIL 20TH, 22ND, 27TH, AND 29TH
5:00 PM-9:00 PM
HOSTED BY RED ROCKS COMMUNITY COLLEGE
13300 W. 6TH AVENUE
FRONTAGE ROAD
LAKEWOOD, CO 80228

REGISTER AT
WWW.FUTUREFOCUSFORENSICS.COM



WELCOME

YOU ARE INVITED

Please join us for the 2020 Forensic Science Symposium hosted jointly by Red Rocks Community College Department of Criminal Justice and Future Focus Forensics. This symposium is a no cost, educational and networking event where students, educators, and professionals can learn from leading experts in the field, while gaining valuable professional contacts.

This four-day event is open to all current/retired forensic professionals in the State of Colorado. In addition, we are extending this invitation to all current students/educators enrolled in a Criminal Justice/Forensics program at a 2-year or 4-year institution in Colorado. Out of state registrants will be allowed to attend if space allows. A waiting list for out of state attendees is available on the registration page. **See the registration information below.**

The workshops will run three hours, from 6:00 pm-9:00 pm. The lectures will start at 6:00 pm and are scheduled until 8:00 pm, but the lecture time may be extended if needed. Please feel free to bring a laptop/tablet for note taking. WIFI will be available.

Light refreshments will be available each night starting at 5:00 pm and also during any breaks. On Monday, 4/20 and Wednesday, 4/22, we recommend you arrive early to meet college recruiters from 2-year and 4-year schools as well as criminal justice/law enforcement agency recruiters for info on employment, internship, and volunteer opportunities

CHECK-in will begin at 5:00pm-5:45pm each night near the Main Entrance at the Community Room. All registrants must bring a valid student/faculty/professional ID. **See the attached maps.** Parking is free.

If you have any questions, please contact Future Focus Forensics at training@futurefocusforensics.com

SCHEDULE

PLEASE REGISTER FOR ALL WORKSHOPS AND LECTURES IN ADVANCE

MONDAY, APRIL 20TH

5:00 PM-5:45 PM: **REGISTRATION AND NETWORKING,**
COMMUNITY ROOM

5:45 PM-6:00 PM: **WELCOME MESSAGE**
COMMUNITY ROOM
RED ROCKS COMMUNITY COLLEGE AND
FUTURE FOCUS FORENSICS

6:00 PM-8:00 PM: **LECTURE**
COMMUNITY ROOM
MEDICOLEGAL DEATH INVESTIGATIONS VS.
CRIMINAL INVESTIGATIONS

"THE YIN AND YANG OF DEATH
INVESTIGATIONS"

NICK LOBELLO, CHIEF DEPUTY CORONER,
DOUGLAS COUNTY CORONERS OFFICE

6:00 PM-9:00 PM: **WORKSHOP**
GRAYS PEAK CONFERENCE ROOM-ROOM 1571
CRIME SCENE RECONSTRUCTION
"NOTHING JUST HAPPENS"

DOUG YOUNG, TRIAD FORENSICS

7:30 PM-7:50 PM: **NETWORKING BREAK**
COMMUNITY ROOM

SCHEDULE

PLEASE REGISTER FOR ALL WORKSHOPS AND LECTURES IN ADVANCE

WEDNESDAY, APRIL 22TH

5:00 PM-5:45 PM: **REGISTRATION AND NETWORKING,**
COMMUNITY ROOM

5:45 PM-6:00 PM: **WELCOME MESSAGE**
COMMUNITY ROOM
RED ROCKS COMMUNITY COLLEGE AND
FUTURE FOCUS FORENSICS

6:00 PM-8:00 PM: **LECTURE**
COMMUNITY ROOM
THE THREAT OF IMPROVISED EXPLOSIVES

SPECIAL AGENT GARRETT GUMBINNER
BOMB TECHNICIAN,
FEDERAL BUREAU OF INVESTIGATION,
DENVER DIVISION

6:00 PM-9:00 PM: **WORKSHOP**
GRAYS PEAK CONFERENCE ROOM-ROOM 1571
PRESERVATION AND DOCUMENTATION OF
SHOOTING SCENES FOR RECONSTRUCTION

SPECIAL AGENT CHARLES S. DEFRANCE
FEDERAL BUREAU OF INVESTIGATION,
DENVER DIVISION

7:30 PM-7:50 PM: **NETWORKING BREAK**
COMMUNITY ROOM

SCHEDULE

PLEASE REGISTER FOR ALL WORKSHOPS AND LECTURES IN ADVANCE

MONDAY, APRIL 27TH

5:00 PM-5:45 PM: **REGISTRATION AND NETWORKING,**

COMMUNITY ROOM

5:45 PM-6:00 PM: **WELCOME MESSAGE**

COMMUNITY ROOM

RED ROCKS COMMUNITY COLLEGE AND
FUTURE FOCUS FORENSICS

6:00 PM-8:00 PM: **LECTURE**

COMMUNITY ROOM

FORENSIC TESTIMONY

CHIEF TRIAL DEPUTY D.A., STEPHANIE FRITTS
DEPUTY DISTRICT ATTORNEY, KATHRYN WEBB
ADAMS COUNTY DISTRICT ATTORNEY'S OFFICE

6:00 PM-9:00 PM: **WORKSHOP**

GRAYS PEAK CONFERENCE ROOM-ROOM 1571

LATENT FINGERPRINT PROCESSING ON CRIME
SCENES

CRIME SCENE ANALYST, NICK CARROLL,
JEFFERSON COUNTY SHERIFF'S OFFICE

7:30 PM-7:50 PM: **NETWORKING BREAK**

COMMUNITY ROOM

SCHEDULE

PLEASE REGISTER FOR ALL WORKSHOPS AND LECTURES IN ADVANCE

WEDNESDAY, APRIL 29TH

5:00 PM-5:45 PM: **REGISTRATION AND NETWORKING,**
DEN, ROOM 1592

5:45 PM-6:00 PM: **WELCOME MESSAGE**
DEN, ROOM 1592
RED ROCKS COMMUNITY COLLEGE AND
FUTURE FOCUS FORENSICS

6:00 PM-8:00 PM: **LECTURE**
DEN, ROOM 159
INTRODUCTION TO PATTERN IDENTIFICATION IN
BLOODSTAIN PATTERN ANALYSIS

MARIA PETTOLINA, CCSA, OWNER OF FUTURE
FOCUS FORENSICS AND POLICE CONSULTANT

6:00 PM-8:00 PM: **WORKSHOP**
GRAYS PEAK CONFERENCE ROOM-ROOM 1571
IDENTIFICATION OF HUMAN REMAINS: A (VERY)
BRIEF INTRODUCTION TO FORENSIC
ANTHROPOLOGY

AMANDA CHRISTOPHER, MsC
ANTHROPOLOGY INSTRUCTOR

7:30 PM-7:50 PM **NETWORKING BREAK**
COMMUNITY ROOM



REGISTRATION

REGISTRATION INFORMATION

The registration is currently open to the State of Colorado. You **must** be a current Criminal Justice/Forensic student/educator with a valid university/college ID. All forensic and retired professionals in the State of Colorado are encouraged to attend.

*If you are a student/educator or current/retired professional outside of the State of Colorado, please register for the ticket “OUT OF STATE”. We will release space on **Monday, April 6th** to out of state registrants, if it is available, and then all other available space will be released to the waitlist on **Wednesday, April 8th**.*

To register for a lecture or a workshop, visit www.futurefocusforensics.com.

Under the **TRAINING** tab, select **FORENSIC SYMPOSIUM**. Select the **REGISTER** link.

The link will take you to Eventbrite, where you will be able to register for lectures and workshops.

If you have any issues with the registration, please email training@futurefocusforensics.com.

If you want more details on each session, please refer to the symposium agenda on the **Forensic Symposium** page on Future Focus Forensics website,

On Eventbrite, once you select your “tickets”, and to complete your order, you will need to fill in the online form. **Fill in all the required information, using your professional(or school) email address, and any information specifically pertaining to you.** Please bring your student/educator or professional ID to the registration.

Space is limited for the workshops, so please only register if you plan to attend. If you are no longer able to attend, please contact us as soon as possible at the email address on this page.

We also recommend you register as soon as possible to guarantee space.

If a workshop is full, we highly recommend you register for the lecture that night and if you wish to be put on a waitlist for a workshop, please email training@futurefocusforensics.com.

LECTURES

MONDAY, APRIL 20TH

Lecture, Death Investigation vs. Criminal Investigation, "The Yin and Yang of Death Investigations"

6:00 pm-8:00 pm

Nick Lobello, Chief Deputy Coroner, Douglas County Coroners Office

Chief Deputy Coroner Nick Lobello will discuss how death investigations compare and contrast to criminal investigations through lecture and case studies.

WEDNESDAY, APRIL 22TH

Lecture, The Threat of Improvised Explosives,

6:00 pm-8:00 pm

Garrett Gumbinner, Special Agent Bomb Technician, Federal Bureau of Investigation

Garrett Gumbinner is a Special Agent Bomb Technician with the Federal Bureau of Investigation assigned to the Denver Division of the FBI. SA Gumbinner is responsible for all Federal explosive related matters in Colorado and Wyoming. He trains with and responds to IED incident with the local bomb squads in the metro area. In 2002, SA Gumbinner deployed to Guantanamo Bay Cuba to assist in the interviewing/interrogations of the detainees housed at GITMO by the US Government. In 2005, SA Gumbinner was selected to attend the Hazardous Device School at Redstone Arsenal, Huntsville, Alabama and became a certified Special Agent Bomb Technician. In 2007, SA Gumbinner deployed to Iraq in support of Operation Iraqi Freedom and was assigned to the Combined Explosive Exploitation Cell (CEXC). SA Gumbinner has worked for the FBI for 18 years and has deployed overseas in support of FBI missions.

MONDAY, APRIL 27TH

Lecture, Forensic Testimony

6:00 pm-8:00 pm

Stephanie Fritts, Chief Trial Deputy District Attorney and Kathryn Webb, Deputy District Attorney, Adams County District Attorney's Office

As a Forensic Professional your work may not end at the crime scene or in the lab. It is possible that you will be asked to testify as an expert witness at a motions hearing or at a jury trial. This lecture will focus on testimony for forensic professionals. This lecture will discuss the difference between a motions hearing and a jury trial. The lecture will also explain courtroom etiquette, why your testimony might be considered expert testimony, why it is important to speak clearly, how to communicate to a jury, and tips for how to handle situations that might arise during your testimony.

WEDNESDAY, APRIL 29TH

Lecture, Basic Bloodstain Pattern Classification

6:00 pm-8:00 pm,

Maria Pettolina, CCSA, Owner, Future Focus Forensics

This basic lecture will focus on the 101 of bloodstain pattern analysis and pattern classification which will assist an investigator with the interpretation of bloodstains at a crime scene in order to recreate the actions that caused the bloodshed. This lecture will examine the size, shape, distribution and location of the bloodstains to assist the investigator to form future opinions about what did or did not happen. Bring your digital SLR camera if you would like a tutorial after the lecture on photographing stains!

Dr. Maria Pettolina has over a decade of experience in the forensic field. She has been involved in thousands of criminal investigations to include being a lead crime scene investigator at the Aurora Theater Shooting. She is court qualified as a forensic expert and holds a current certification as a Senior Crime Scene Analyst through the International Association of Identification. She is a national presenter and a professor. She has been published in forensic journals and has received over 1300 hours of specialized certificate training. She is currently a consultant for a state agency in Colorado and assists agencies with national accreditation for Property and Evidence. Maria has a Bachelor of Arts in Criminal Justice, a Master of Science in Forensic Medicine, and a Doctorate of Management in Higher Education.

WORKSHOPS

MONDAY, APRIL 20TH

Workshop, Crime Scene Reconstruction, "Nothing Just Happens"

6:00 pm-9:00 pm

Doug Young, Triad Forensics

This course was designed with both the newer and more seasoned forensics investigators in mind. The class was structured from a "generalist" CSI's point of view and built on the foundation of work from individuals such as Locard, Heinrich and May. The class begins with a discussion of the various forensic disciplines which must be understood and embraced as well as the difference between the "Specialist" and "Generalist" mindsets as they apply to Crime Scene Reconstruction. As participants delve deeper into the process, concepts such as Bias, Causation, Critical Thinking and Logic are discussed. These discussions lead to the development of a basic reconstructive foundation and students will utilize the scientific methodology as the vehicle for conducting their case reconstructions by examining actual case materials.

Students will examine multiple cases to reinforce the numerous concepts and methodologies they must understand to conduct a complete reconstruction. The class concludes with students conducting a basic Crime Scene Reconstruction of an assigned case. Students will work in groups using the information they learned in class and the provided case information to assemble a working theory of what may or may not have transpired in their cases. Students will be asked to present their groups conclusion(s) to the rest of the class. This block of instruction is not designed to make you an expert in Crime Scene Investigation, but to provide participants with a better understanding of the diverse nature and cooperative effort that many of these investigations take on. It is recommended you bring your laptop. Course materials will be distributed on a zip drive.

Doug began his law enforcement career with the Gibson County Sheriff's Department in Southwestern Indiana. While working at the Sheriff's Office, Doug attended Vincennes University where he majored in Law Enforcement/Criminalistics, graduating Cum Laude. Doug began his training as a crime scene technician for the Gibson County Sheriff's Department and held that position from 1993 - 1998. In December of 1998, Doug moved to Texas and took a job with the Austin Texas Police Department as a Sr. Crime Scene Specialist. While in Texas, Doug became certified as a Crime Scene Investigator through the International Association for Identification. In November of 2002, Doug took the position of Chief of Police with the Oakland City Police Department in Indiana, where he served until May 2007. That same month, Doug moved to Thornton, Colorado where he took a position as a Crime Scene Investigator. In August 2009, Doug was promoted to Sr. Criminalist and continues to serve in this capacity. Doug has lectured both domestically and internationally on various Forensic topics to include Crime Scene Investigation, Forensic Entomology, Bloodstain Pattern Analysis, Shooting Incident Reconstruction and Crime Scene Reconstruction. Doug has been qualified as an expert witness in both Federal and State Courts. Doug is a past President of both the Indiana and Rocky Mountain Division of the International Association for Identification and is still an active member of both the parent body IAI and the Rocky Mountain Division. Doug served as the Regional Representative for the RMDIAI until 2019. Doug is a member of the Association for Crime Scene Reconstruction (ACSR) and is the co-founder of the Colorado Forensic Investigators Group (COFIG). Doug is the owner of Triad Forensics, a small forensic training and consulting company located in Longmont, CO.



WORKSHOPS

WEDNESDAY, APRIL 22TH

Workshop, Preservation and Documentation of Shooting Scenes for Reconstruction

6:00 pm-9:00 pm

Special Agent Charles S. DeFrance, Federal Bureau of Investigation, Denver Division

This course was designed with both the newer and more seasoned forensics investigators in mind. The class was structured from a “generalist” CSI’s point of view and built on the foundation of work from individuals such as Locard, Heinrich and May. The class begins with a discussion of the various forensic disciplines which must be understood and embraced as well as the difference between the “Specialist” and “Generalist” mindsets as they apply to Crime Scene Reconstruction. As participants delve deeper into the process, concepts such as Bias, Causation, Critical Thinking and Logic are discussed. These discussions lead to the development of a basic reconstructive foundation and students will utilize the scientific methodology as the vehicle for conducting the proper preservation and documentation of a shooting scene is critical to future reconstruction efforts and creation of court exhibits. This workshop will develop a fundamental understanding of the elements that need to be recorded on-scene. This will include shooting scene preservation and a specific focus on the identification and classification of projectile impacts, measurement of the 3-dimensional position of those impacts within the scene, and trajectory measurements. The workshop will include a mix of lecture, case studies, and hands-on exercises. The instructor will provide attendees with some recommended practices and worksheets. The forthcoming OSAC standards for shooting scene documentation will be discussed and used as a model for the workshop.

Charles S. DeFrance first joined the FBI Laboratory in 1996 in the Firearms-Toolmarks Unit where he was qualified as an Firearms-Toolmarks Examiner and an instructor in various courses to include the Bullet Trajectory Reconstruction School. After becoming a Special Agent in 2001, DeFrance was assigned to field offices in Washington, DC; San Juan, Puerto Rico; and Denver, Colorado. He has been a member of the Evidence Response Team (ERT) since 2002 including 9 years as a team leader and 3 years in his current position as Senior Team Leader for the 32-person Denver Division ERT. DeFrance is a former president of the Association for Crime Scene Reconstruction and a current member of the NIST OSAC Crime Scene Investigation Subcommittee developing national standards in a variety of fields to include shooting reconstruction and crime scene reconstruction.



WORKSHOPS

MONDAY, APRIL 27TH

Workshop, Latent Print Processing on Crime Scenes, "Back to the Basics"

6:00 pm-9:00 pm

Nick Carroll, Crime Scene Analyst, Jefferson County Sheriff's Office

Nick Carroll has almost a decade of experience in crime scene investigations and has been involved in hundreds of major cases in the State of Colorado. Nick is an expert in the State of Colorado and is an instructor in crime scene investigations.

This three(3) hour, hands-on workshop will prepare students and novice forensic professionals with the tips and tricks needed to document, process and collect latent fingerprints from a crime scene. If you are a trainer or educator, this may be a useful class to bring you back to the basics to effectively train a new generation of team members!The class will focus on the science of fingerprints, from the proper techniques of lifting latent prints from textured and non-textured surfaces with regular black and magnetic powder to how human and environmental factors can effect the deposition of prints. Discussion will also include basic skills needed to classify a print(loop, whorl, arch) the technology and research in the field of latent print processing and latent print examination. This class will also allow students and professionals to learn the proper technique of lifting fingerprints with basic tape and casting materials, such as Mikrosil. Supplies will be provided, but it is highly encouraged you come with non-porous items that you want to practice with(CDs, golf balls, tiles, etc.) and wear clothes you do not mind getting messy!

WEDNESDAY, APRIL 29TH

Workshop, Identification of Human Remains: A (Very) Brief Introduction to Forensic Anthropology

6:00 pm-8:30 pm

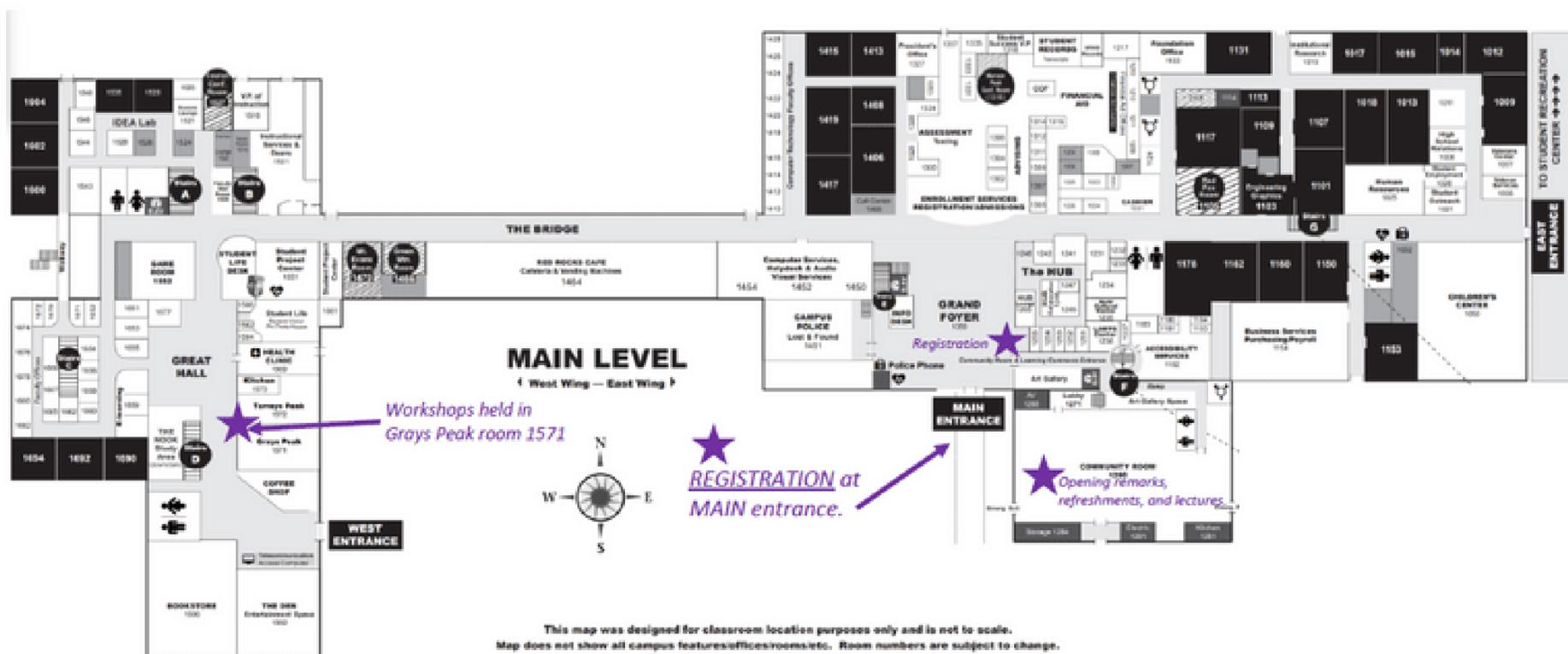
Amanda Christopher, MSc, Anthropology Instructor

Amanda is a Colorado native. After receiving a Bachelor's Degree at the University of Colorado, Denver she studied osteoarchaeology at the University of Edinburgh, Scotland where she received a Master's of Science in Osteoarchaeology (the study of human and animal remains in an archaeological setting). Amanda was involved in an excavation in Portugal of a Neolithic Dolmen and had the opportunity to help analyze mummified human remains in Peru from the Inca site of Puruchuco, outside of Lima. In another field season, she was involved with the analysis of human remains from a Moche site north of Trujillo, Peru. Since 2008, Amanda has been teaching various anthropology courses, including forensic anthropology, around Denver at Metro State University of Denver, Community College of Aurora, CCCOnline and Red Rocks Community College..

This lecture/workshop combo will discuss the major methods used by the forensic anthropologist in a lab. Hands-on experience with human remains will be provided after a short lecture on methods. Methods include: establishing forensic significance, estimation of age at the time of death, sex, stature, ancestry and possible cause of death.

CLASSROOM MAP

First Floor



FUTURE FOCUS FORENSICS

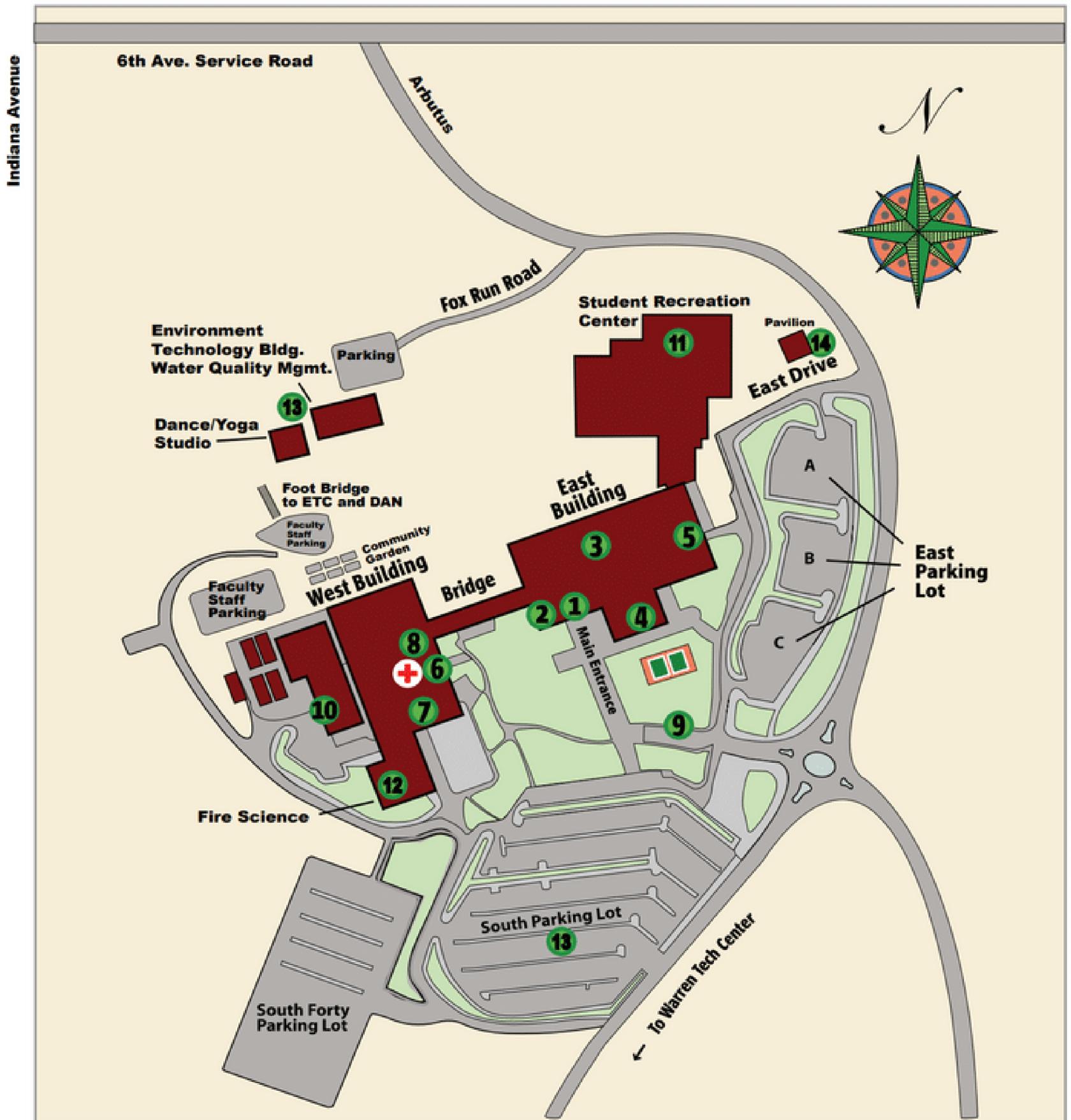
Training and Consultancy Services



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CAMPUS PARKING

RED ROCKS COMMUNITY COLLEGE



PARKING MAP

