



STEM Pathways Orientation

Today's Agenda

1. Reasons to start your college career at Norco College
2. STEM Pathways at Norco College
3. New guaranteed transfer pathway to UC Riverside Bourns College of Engineering
4. First Steps to getting started at Norco College

Why Norco?

- Save \$
- Smaller class sizes
- More accessible faculty
- Robust support services
- Higher acceptance rates into 4-year universities



NORCO COLLEGE PROMISE

- First-time college students
- Enroll in 12 units (Fall/Spring)
- 2.0 GPA
- CA resident or AB540 eligible
- Financial Support:
 - Enrollment fees
 - Student Services Fees
 - Health Fees
 - Transportation Fees



For more info contact:

Luis Diaz

Promise Outreach Specialist

Luis.Diaz@norcocollege.edu



Robust Support Services

- [FREE Tutoring](#)
- [Supplemental Instruction](#)
- [CalWORKs](#)
- [EOPS/CARE](#)
- [Honors](#)
- [Phoenix Scholars](#)
- [Puente](#)
- [Umoja](#)
- [Unity Zone](#)
- [Disability Resource Center](#)
- [Career Center](#)
- [STEM Center](#)
- [Transfer Center](#)
- [Veteran's Resource Center](#)
- [Health Services & FREE mental health counseling](#)

STEM Pathways at Norco College



Associate Degrees

- [Biology](#)
- [Chemistry](#)
- [Computer Science](#)
- [Environmental Science](#)
- [Kinesiology](#)
- [Kinesiology, Health & Wellness](#)
- [Mathematics](#)
- [Math & Sciences](#)
- [Physics](#)

Certificates

- [3D Mechanical Drafting](#), [Drafting Technology](#) and [Architectural Graphics](#)
- [Computer Information Systems - C++ Programming](#) and [Java Programming](#)
- [Computer Information Systems - Computer Programming](#) and [Graphic Design](#)
- [Computer Numerical Control \(CNC\) Operator](#) and [\(CNC\) Programming](#)
- [Construction Technology](#)
- [Conventional Machine Operator](#)
- [Digital Electronics](#)
- [Electrician](#)
- [Engineering Graphics](#)
- [Facilities Maintenance](#)
- [Game Art - Character Modeling](#) and [Game Art - Environments and Vehicles](#)
- [Game Design](#) and [Game Programming](#)
- [Green Technician](#)
- [Manufacturing Technology - Industrial Automation](#)
- [Supply Chain Automation](#)

STEM Focused Grants & Programs

Norco has a longstanding history of supporting STEM education:

- **\$807,799** Title III-HSI STEM Scholars (10/2011 - 9/2017)
- **\$1,200,000** Title III-HSI STEM Engineering Pathways (10/2016 – 9/2021)
- **\$650,000** NSF STEM Grant to provide scholarships to STEM students (pending approval)



U.S. Department of Education



STEM Highlights

- STEM Industry & Alumni Guest Speakers
- Career & personal development workshops
- Industry & University tours
- Internship opportunities
- Scholarship opportunities
- Dedicated STEM Counselor & Success Coach
- Transfer Assistance





Student Spotlight: Internships

Norco STEM students have been selected for internships at:

- NASA JPL
- NASA Community College Aerospace Scholars
- NASA SIRI (Student Independent Research Internship)
- NASA SUITS
- NAVSEA
- UCLA MEDPEP
- USC Center for Dark Energy Biosphere Gems
- UCR Future Physician Leaders Program
- UCR DNA Barcoding



Student Spotlight: University Transfer

- USC
- UC Berkeley
- UC Irvine
- UC Los Angeles
- UC Merced
- UC Riverside
- UC San Diego
- UC Santa Barbara
- UC Santa Cruz
- Cal Poly Pomona & San Luis Obispo
- CSU Fullerton
- CSU Long Beach
- CSU Los Angeles
- San Diego State University
- San Jose State University





Life as a STEM Major

As STEM majors you will experience academic challenges such as:

- Challenging math & science courses
- Greater time commitments with lecture, lab time, and homework
- Rigorous projects & assignments
- High unit course load
- Specific transfer requirements
- Competitive GPA requirements for transfer
- Internship & research responsibilities



Dedicated STEM Center Staff



Jason Parks, Ed. D.
Dean, School of STEM
Director, Engineering Pathways



Patricia Gill
STEM Services Developer



Brittnee A. Quintanar, M.A.
STEM Counselor
Assistant Professor



Azadeh Iglesias, M.S.
Student Success Coach
Associate Faculty

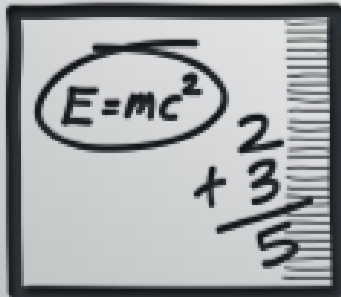
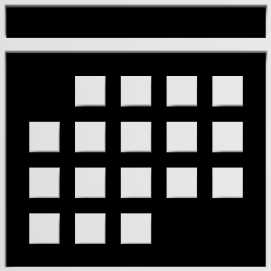


Kasey Boyer
Outreach Specialist



Suzie Schepler, MBA
Grants Administrative
Specialist

How Can Brittnee & Azadeh Help You?



You can meet with the STEM Counselor & Success Coach for assistance with:

- Developing time management strategies
- Setting academic and personal goals
- Reviewing strategies to reduce stress and anxiety
- Overcoming procrastination and avoiding distractions
- Discovering your learning styles & strengths
- Planning a study routine with good study habits
- Developing a plan for increasing your GPA
- Research and help applying for scholarships
- Exploring career-related internship opportunities
- Exploring transfer universities and majors

STEM Club

Meetings every Thursday 12:50PM-1:50PM in STEM 125

Fall 2019 Activities:

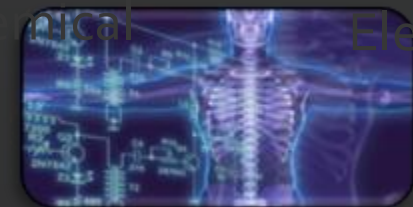
- Welcome Day (Saturday, August 24 9 AM – 1 PM)
- Club Rush (September 10 – 12 @ Palm Path)
- Harvest Festival (Friday, October 25)
- Loma Linda Prosthetics Project
- Norco College Rocket Project
- Campus 3D Map
- ✦ NASA SUITS
- NASA Community College Aerospace Scholars
- Hackathons
- Volunteering
- Fieldtrips





What Is Engineering ?

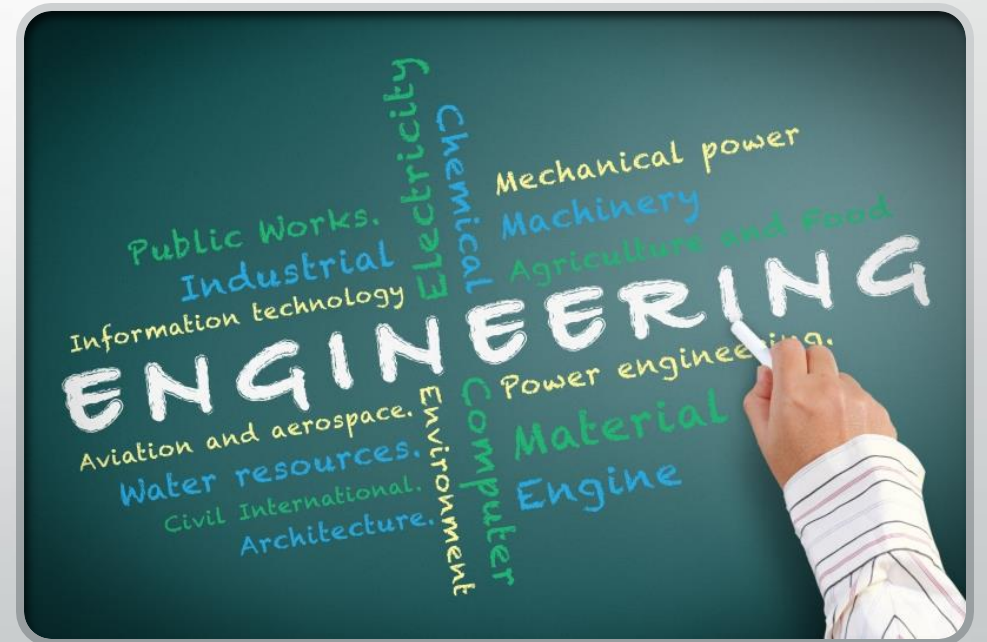
- **Engineering** is derived from Latin word *ingenium* and means "cleverness" and "to contrive, devise"
- Engineers are people who create nifty and practical inventions
- Engineering has existed for centuries – first inventions include the wedge, lever, wheel and pulley
- Engineering is a branch of science and technology concerned with the design, building, and use of engines, machines and structures.



UC Riverside Transfer Pathway for Engineering

The *Norco College-UCR Bourns College of Engineering Guaranteed Transfer Pathway* provides **guaranteed admittance** to UC Riverside Bourns College of Engineering in one of the following majors:

- Bioengineering
- Chemical Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Materials Science and Engineering
- Mechanical Engineering



Norco College – UCR Bourns College of Engineering Guaranteed Transfer Pathway

Eligibility & Academic Expectations:

1. First-time college students (prior dual enrollment ok)
2. Apply to Norco College (Norco must be your home campus)
3. Commit to maintain full-time enrollment (30+ semester units each academic year)
4. Commit to transfer to [UC Riverside](#) for any Engineering major (computer science is excluded)
5. Maintain a 3.00 cumulative UC transfer GPA

Dates & Deadlines

- Students joining the *Norco-UCR Bourns College of Engineering Guaranteed Transfer Pathway* will be eligible for early registration group III (May 20/July 8).
- The first **100** applicants will be accepted for the 2020-21 school year. Priority registration for Fall 2020 classes will be given to those that apply by **July 1, 2020**.

Class Schedule & Registration Set-up	Summer 2020	Fall 2020	Winter 2021	Spring 2021
Schedule of Classes and Registration appointments available on WebAdvisor	April 27	June 15	October 9	
Enter Program Flags by:	April 23	June 10	October 6	
REGISTRATION	Summer 2020	Fall 2020	Winter 2021	Spring 2021
Priority Group I: Veterans , Foster Youth , EOPS , DRC , and CalWORKs <i>Priority registration limit to District-wide courses: 13 units for Fall/Spring & 7 units for Winter/Summer</i> <i>DRC students receive continuous priority reg. access until start of term</i>	May 18-22	July 6-10	Nov. 2-6	
Priority Group II: Athletes , ASNC Officers , Student Trustee <i>Priority registration limit to District-wide courses: 13 units for Fall/Spring & 7 units for Winter/Summer</i>				
Early Registration Group III: PUENTE , Student Support Services (SSS) , Umoja (T3p) , SSS-RISE , Community Scholars , Honors , ACE , Veterans , FYE , Men of Color Scholars Program . <i>Norco College courses ONLY: limited to 13 units for fall/spring & 7 units for Winter/Summer</i>	May 20-22	July 8-10	Nov. 4-6	
Early Registration Group IV: Norco Advantage Program (fall/spring only, for up to 13 NC units)	N/A	July 13-17	N/A	Nov. 9-13
General Student Registration Begins <i>(Based on Order of Registration implemented in 12Fall)</i>	May 26	July 13	Nov. 9	
High School Concurrent Registration Begins	June 22	Aug. 24	Jan. 4	Feb. 16

First Steps

1. Apply to Norco College - (www.norcollege.edu/stepstoenroll/Pages/enroll)
2. Complete your 2020-21 FAFSA (www.fafsa.ed.gov)
3. Activate your student email & login to WebAdvisor
4. Complete online orientation in WebAdvisor
5. Complete *Norco College-UCR Bourns Guaranteed Transfer Pathway* Application - (<https://www.norcollege.edu/academicAffairs/instruction/acp/stemPathways/Pages/UCR-Bourns-Transfer-Pathway.aspx>)
6. Meet with STEM Counselor for your personalized education plan. You can book STEM appointments here: <https://esars.rccd.edu/norco/stem/eSARS.asp?WCI=Init&WCE=Settings>
7. Register for classes!



Application tutorial video: <https://www.youtube.com/watch?v=c1Mcwb5-mNU&feature=youtu.be>

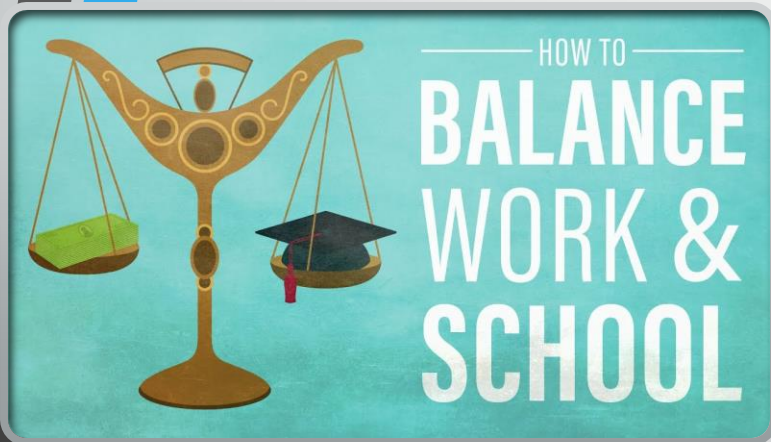
Next Steps

- Order AP scores from [College Board](#) after all your exam scores have posted
- Order final high school transcript after all your senior grades have posted (must be in a sealed envelope or official electronic transcript)
- Order official transcripts from other colleges you have attended (do not need to send transcripts from RCC or MVC)
- Apply to join special programs (some have limited space)



Maintaining Balance

- Courses are assigned a unit value based on lecture or lab time required (1 unit = 1 hour lecture each week)
- For each unit you take, multiply that by 3 for the expected number of hours needed to complete homework and prepare for exams
- Your ideal unit load depends on how many hours you work, family obligations, and personal responsibilities



RECOMMENDATIONS		WEEKLY TIME COMMITMENT		
If You Work: (per week)	Enroll In:	In Class	Outside of Class	Total Hours
40 hours	6 units/1-2 classes	6 hours	18 hours	24 hours
30 hours	9 units/2-3 classes	9 hours	27 hours	36 hours
20 hours	12 units/3-4 classes	12 hours	36 hours	48 hours
0 – 15 hours	13 – 18 units/4-5 classes	13 - 18 hours	39 – 54 hours	52 – 72 hours

First Term Suggested STEM Plan



Course	Units
ENG-1A – English Composition	4
WLA – Writing Lab	0
MAT-36 Trigonometry <i>or</i> MAT-10 Pre-Calculus <i>or</i> MAT-1A Calculus I	4
CHE-2A Intro to Chemistry <i>or</i> CHE-1A General Chemistry I	4 - 5
ENE-10 – Intro to Engineering <i>or</i> GUI-47 Career Exploration & Life Planning	3
TOTAL UNITS	15 - 16

Review full course descriptions with the [2020-21 Norco College Catalog](#)

WebAdvisor

ATTENTION! New changes for 19FAL in Math & English

- Your math placement may have changed due to recent updates.
- Please review your Placement Summary for more details before selecting and registering for classes.
- * If you are placed into Math 12, 25, 36 or 5 you are not required to register for the additional co-requisite support course (Math 112, 125, 136 or 105) *
- Contact a counselor if you have further questions.

[Account Help & Tutorials](#)
[Student Email](#)
[Student Email Password Reset](#)

Supplemental Applications

[CalWORKs Application](#)
[CAP Program Application Form](#)
[Cosmetology Application](#)
[DRC/DSS Application](#)
[EOPS Supplemental Application](#)
[International Supplemental Application](#)

**Check your
registration
dates**



Registration

**Register and
Drop Classes**



[Search for Classes](#)
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[Register and Drop Classes](#)
[My Class Schedule](#)
[My Account Summary by Term](#)
[Make a Payment](#)
[Purchase Student Parking](#)
[Order Textbooks](#)

Financial Aid

[Financial Aid Award Letter](#)
[Financial Aid Shopping Sheet](#)
[Required Documents by Year](#)

Personal Information

[Personal Profile](#)
[Secure RCCD Notifications](#)
[Perkins Survey](#)
[Update Program of Study](#)
[Student Email Password Reset](#)
[Reset my password](#)
[Norco Voting Screen](#)
[ASRCC Election](#)
[RCCD Student Trustee Election](#)

Academic Profile

[Academic Review](#)
[Degree Application](#)
[Certificate Application](#)
[Application Status List](#)
[Degree/Certificate Application - Reapply](#)
[Grades by Term](#)
[View/Print my Unofficial Transcript](#)
[Order an Official RCCD Transcript](#)
[Check Transcripts Received by RCCD](#)
[Order an RCCD Enrollment Verification](#)
[Check my Enrollment Verification Status](#)
[View My Incomplete Grade Contracts](#)
[Lab Attendance Hours](#)

Instructions/Tutorials

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[Virtual Access Direct Gateway Download](#)

Other Services

[Online Skills Workshop](#)
[Voter Registration](#)
[IRS Form 1098-T](#)

Academic Planning

[Take Your online Orientation](#)
[Create First Semester Ed Plan](#)
[View Abbreviated Ed Plan](#)
[Request Online Counseling Appointment](#)
[Placement Summary](#)
[Placement Survey](#)

Online Orientation



STEM Pathways Website

www.norcollege.com/stempathways

UCR Transfer
Pathway
Program
Application
Here

STEM Pathways

STEM Pathways

COVID-19 Resources

STEM Counselor Corner

STEM Alumni Spotlight

STEM Club

STEM Engineering Pathways

STEM Events

STEM Field Trips

STEM Internship & Research Opportunities

STEM Online Resources

STEM Pathways Staff

STEM Scholarship Opportunities

STEM Student Spotlight

Supplemental Instruction

Transfer Center

Tutorial Services

UCR Bourns Transfer Pathway

PROGRAMS COST & ADMISSIONS ABOUT EMAIL WEBADVISOR ONLINE/HYBRID APPLY

STEM Pathways



SCHOOL OF
Science, Technology,
Engineering & Mathematics

STEM Pathways at Norco College includes two programs designed for students pursuing degrees in Engineering. The first program, *Engineering Pathways*, provides support for students seeking transfer to any 4-year university to pursue a baccalaureate degree in computer science or any engineering field. The second program, *Norco College-UCR Bourns College of Engineering Guaranteed Transfer Pathway* provides guaranteed admittance to UC Riverside Bourns College of Engineering in one of the following majors: bioengineering, chemical engineering, computer engineering, electrical engineering, environmental engineering, materials science and engineering, and mechanical engineering.

Both programs provide educational planning and academic coaching from student's first term to successful transfer. STEM related [internship and research opportunities](#) are also available.

STEM COUNSELING & SUCCESS COACH APPOINTMENTS

You can manage your STEM Counseling (Brittnee Quintanar) and STEM Success Coach (Azadeh Iglesias) appointments by clicking the button below. After booking your appointment you will receive an email confirmation (to your RCCD email address) with a Zoom url meeting link. Please save this email to access your online appointment.

[Schedule/Cancel a STEM Appointment](#)

If your schedule doesn't align with any of the open appointments, please email [Brittnee Quintanar](#) or [Azadeh Iglesias](#) so we can work together to find a time that meets your needs.

College
Application
Here

Booking STEM Appointments

STEP 1

NORCO
COLLEGE

To make an Appointment log-on here:

1. Enter your Student ID

Student ID

2. Enter your birthdate
Example: 09/20/2001

Birth Date

3. Click Continue

Back

Continue

Cancel

STEP 3

Riverside Community College District, Norco College

Counseling Reason Selection

Please click on Academic Advising as your reason code

Academic Advising

Go Back

Continue

STEP 2

NORCO
COLLEGE

Counseling Appointment Menu

Please select the desired option

Make Appointment

No appointments have been scheduled

View or Cancel Appointments

View Appt. History

Logout

STEP 4

NORCO
COLLEGE

Search for Counseling Appointments

Please select the Counselor, day of the week and time of day you prefer.

Day of week	Start Time	End Time	Counselor Name
All	7:00 AM	7:45 PM	AZADEH IGLESIAS
Monday	7:15 AM	8:00 PM	Brittnee Quintanar
Tuesday	7:30 AM	8:15 PM	
Wednesday	7:45 AM	8:30 PM	
Thursday	8:00 AM	8:45 PM	
Friday	8:15 AM	9:00 PM	

Go Back

Reset

Find Appointments

Stay Connected



Call or Text 951-291-8588

www.norcollege.edu/stempathways

- [Norco STEM Club Discord](#)
- [Norco STEM Club on Facebook](#)
- [Norco STEM Club on Instagram](#)
- [Norco College Rocketry Club on Instagram](#)
- [Norco NASA S.U.I.T.S. on Instagram](#)
- [Norco STEM on Facebook](#)
- [Norco College on Instagram](#)
- [Norco College on Twitter](#)
- [Norco College on Facebook](#)
- [Norco College on YouTube](#)



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