NORCO COLLEGE

SCHOOL OF Science, Technology, Engineering & Mathematics

See a Counselor for Your Personalized Educational Plan!

Schedule your counseling appointment online at www.norcocollege.edu/services/counseling
Visit www.norcocollege.edu/stempathways for STEM-related services

2020-21 ENVIRONMENTAL SCIENCE

AS-T ENVIRONMENTAL SCIENCE

Pathways for Transfer

(IGETC) NAS893

REQUIRED COURSES (40-41 semester units)		UNITS
BIO-60 (formerly BIO-11)	Introduction to Molecular and Cellular Biology	5
CHE-1A	General Chemistry I	5
BIO-61 (formerly BIO-12)	Introduction to Organismal & Population Biology	5
OR		
CHE-1B	General Chemistry II	5

LIST A (14 -15 semester units)		UNITS
BIO-19 (formerly BIO-36)	Environmental Science	3
GEG-1/1H	Physical Geography/Honors	3
AND		
GEG-1L	Physical Geography Laboratory	1
MAT-12/12H	Statistics/Honors	4
OR		
PSY/SOC-48	Statistics for the Behavioral Sciences	3
MAT-1A	Calculus I	4

LIST B (11 semester units)		UNITS
ECO-8/8H	Principles of Microeconomics/Honors	3
PHY-2A & 2B	General Physics I AND II	8
OR		
PHY-4A & 4B	Mechanics AND Electricity & Magnetism	8

This academic plan includes major coursework and recommended general education requirements for transfer. ***Transfer requirements vary based on institution***. Please see a counselor to develop your personal educational plan and determine appropriate work/life/school balance.

TERM 1

CPP		UCR	
COURSE	**UNITS**	**COURSE**	**UNITS**
ENG 1A	4	ENG 1A	4
MAT 1A	4	MAT 1A	4
CHE 1A	5	CHE 1A	5
BIO 19	3	BIO 19	3
		POL 1	3
Total Units	**16**	**Total Units**	**19**

TERM 2

COURSE	UNITS	COURSE	UNITS
ENG 1B	4	ENG 1B	4
CHE 1B	5	MAT 1B	4
GEG 1 & 1L	4	CHE 1B	5
COM 1, 6 or 9	3	GEG 1/1L	4
ARE 35, 36 or GAM 2	3	COM 1, 6 or 9	3
Total Units	**19**	**Total Units**	**20**

TERM 3

COURSE	UNITS	COURSE	UNITS
BIO 60	5	BIO 60	5
PHY 2A or 4A	4	PHY 2A	4
ECO 8	3	ECO 8	3
MAT 12	4	MAT 12	4
MUS 3, THE 3 or ART 2	3	ARE 35, 36 or GAM 2	3
Total Units	**19**	**Total Units**	**19**

TERM 4

COURSE	UNITS	COURSE	UNITS
BIO 61	5	BIO 61	5
PHY 2B or 4B	4	PHY 2B	4
POL 1	3	MUS 3, THE 3 or ART 2	3
HIS 6, 7, 14, 31 or 34	3	HIS 1 or 2	3
SOC 10	3	SOC 10	3
Total Units	**18**	**Total Units**	**18**

✓ First Term To-Do List

- [ ] Submit official high school transcripts and AP/IB/CLEP exam scores
- [ ] Visit Engagement Center (ST 108)
- [ ] Meet with a counselor to personalize your EduNav plan and to ***determine if you have already met the IGETC foreign language requirement through high school coursework***
- [ ] Register for ILA-800 each term to receive FREE tutoring

✓ Second Term To-Do List

- [ ] Visit the Career Center (2nd floor of CSS)
- [ ] Meet with a Mustang Mentor
- [ ] Get involved in ASNC or other student organizations
- [ ] Look for internship, research or volunteer opportunities in your field (s) of interest

✓ Third Term To-Do List

- [ ] Meet with a counselor to verify your transfer status
- [ ] Attend Transfer Fair, transfer workshops and meet with university reps
- [ ] Submit transfer applications (ask about UC TAG)
- [ ] Complete FAFSA before march 2nd (include all transfer institutions that you applied to)

✓ Fourth Term To-Do List

- [ ] Submit Degree Applications via WebAdvisor
- [ ] Complete transfer application updates
- [ ] Finish strong and order final transcripts for your transfer institution along with IGETC certification

An **ENVIRONMENTAL SCIENCE** degree Introduces the concepts and principles upon which environmental knowledge is based including the biological, chemical, and physical concepts underlying scientific theory and application to environmental issues. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation to apply to environmental concerns affecting our everyday lives.

WHERE CAN I WORK?

- Army Corps of Engineers
- Bureau of Reclamation
- Bureau of Land Management
- City/County Waste Management
- Department of Agriculture
- Department of Energy
- Education
- Environmental Consulting Firm
- Environmental Research Lab
- Farms & Ranches
- Geological Survey Company
- Natural Resource Conservation
- Recycling Center
- Water Treatment Plant

WHAT CAN I DO WITH THIS ASSOCIATE DEGREE?

Position Title	*CA Annual Openings*	*CA Median Salary*	*In Riverside County Wages will Support*
Environmental Protection Tech	630	$50,770	1 adult
Forest & Conservation Tech	920	$47,320	1 adult
Laboratory Technician	1,640	$58,120	1 adult, 1 child
Medical Laboratory Technician	1,640	$58,120	1 adult, 1 child
Recycling Coordinator	2,910	$55,350	1 adult
Teachers Assistant	17,710	$35,380	1 adult

WHAT CAN I DO WITH MORE EDUCATION AND TRAINING?

Position Title	*CA Annual Openings*	*CA Median Salary*	*In Riverside County Wages will Support*
Climate Change Analyst	1,630	$87,360	1 adult, 3 children
Environmental Compliance Inspector	3,200	$80,610	1 adult, 2 children
Environmental Economist	130	$109,020	2 adults, 4 children
Environmental Engineer	560	$102,100	2 adults, 3 children
Environmental Scientist	1,630	$87,360	1 adult, 3 children
Geoscientist	440	$92,130	1 adult, 3 children
Hydrologist	800	$95,290	2 adults, 3 children
Soil & Water Conservationist	130	$79,180	1 adult, 2 children

ESTIMATED COST TO OBTAIN ASSOCIATE DEGREE

60 Units x $46 per unit (CA residents) = $2,760
Health, ASNC, Parking Fees (x 4 terms) = $360
Books & Supplies = $3,944
Total Cost = $7,064

HOW DO I GET STARTED?

⇒ Visit the **CAREER CENTER** to learn about opportunities in the field and help determining if it is a good fit for your preferred values, strengths, skills, and interests. CSS 2nd floor.

⇒ Attend annual **TRANSFER FAIR** and **TRANSFER CENTER WORKSHOPS** to determine which university is the best fit for you as well as application requirements and transfer process.

⇒ Build **LABORATORY** and **RESEARCH SKILLS** through courses and/or work with professors.

⇒ **JOB SHADOW** and **NETWORK WITH PROFESSIONALS** in positions you wish to obtain.

⇒ Participate in the STEM Club to gain **TEAMWORK** and **LEADERSHIP SKILLS**.

⇒ Develop strong interpersonal **COMMUNICATION AND TECHNICAL WRITING SKILLS.**

⇒ Develop **DECISION-MAKING** and **PROBLEM-SOLVING** skills, diplomacy and the ability to work under pressure.

⇒ Stay informed on current environmental issues (policy, conservation, and industry trends).

⇒ Participate on planning boards, commissions and committees to stay abreast of local planning and conservation initiatives.

⇒ Join **PROFESSIONAL ASSOCIATION** such as the American Geoscience Institute, the National Association of Environmental Professionals, or the National Council for Science and the Environment to network and maintain current knowledge of opportunities in the field.

WHAT SKILLS DO I NEED?

⇒ **Active Listening** — giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

⇒ **Critical Thinking** — using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

⇒ **Reading Comprehension** — understanding written sentences and paragraphs in work related documents.

⇒ **Science** — using scientific rules and methods to solve problems.

⇒ **Speaking** — talking to others to convey information effectively.

PREFERRED WORK STYLES INCLUDE:

⇒ **Attention to Detail** — being careful about detail and thorough in completing work tasks.

⇒ **Integrity** — being honest and ethical.

⇒ **Dependability** — being reliable, responsible, and dependable, and fulfilling obligations.

⇒ **Analytical Thinking** — analyzing information and using logic to address work-related issues and problems.

⇒ **Cooperation** — being pleasant with others on the job and displaying a good-natured, cooperative attitude.

For more information about careers, education and training requirements, salary data, and job outlooks visit www.onetonline.org, www.bls.gov or www.labormarketinfo.edd.ca.gov/OccGuides.