

FIELD OF SCIENCE  
**AGRICULTURE**



**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

AGRICULTURAL SCIENCE

# Study of food production

(farming,  
ranching, mining,  
forestry).

FIELD OF SCIENCE  
**AGRONOMY**



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Agriculture and Natural Resources

AGRICULTURAL SCIENCE

**Study  
of soils  
and crop  
production.**

FIELD OF SCIENCE  
**NUTRITION**



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Agriculture and Natural Resources

AGRICULTURAL SCIENCE

**Study  
of food,  
diet, and  
health.**

FIELD OF SCIENCE

# FOOD SCIENCE

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Agriculture and Natural Resources

AGRICULTURAL SCIENCE

**Study  
of food  
production  
and food  
safety.**

FIELD OF SCIENCE  
**BIOLOGY**

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LIFE SCIENCE

**Study of  
life and  
living  
organisms.**

FIELD OF SCIENCE  
**MEDICINE**



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LIFE SCIENCE

**Study and  
practice of  
diagnosis,  
treatment,  
and  
prevention  
of disease.**

FIELD OF SCIENCE  
**BOTANY**

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LIFE SCIENCE

# Study of plants.

FIELD OF SCIENCE  
**VETERINARY  
MEDICINE**



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LIFE SCIENCE

**Study of  
animals  
and the  
practice  
of keeping  
pets and  
livestock  
healthy.**

FIELD OF SCIENCE  
**ZOOLOGY**



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LIFE SCIENCE

**Study of  
wildlife and  
habitats of  
animals.**

FIELD OF SCIENCE  
**ECOLOGY**



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LIFE SCIENCE

**Study of  
organisms  
and their  
environments.**

FIELD OF SCIENCE  
**ASTRONOMY**

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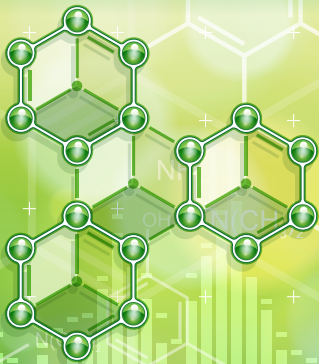
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Agriculture and Natural Resources

PHYSICAL SCIENCE

**Study of  
space,  
stars,  
and the  
universe.**

FIELD OF SCIENCE

# CHEMISTRY



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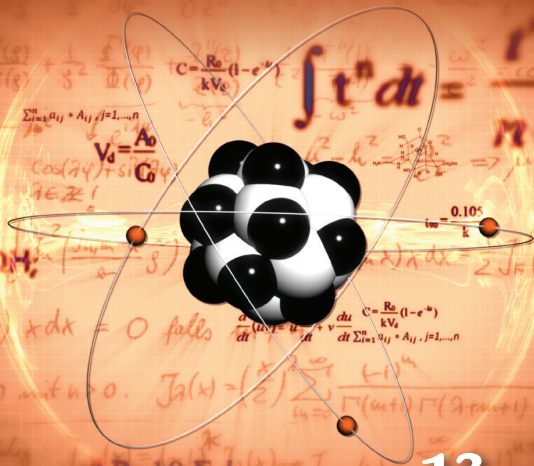


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PHYSICAL SCIENCE

**Study of  
chemical  
reactions,  
atoms,  
molecules,  
and matter.**

FIELD OF SCIENCE  
**PHYSICS**



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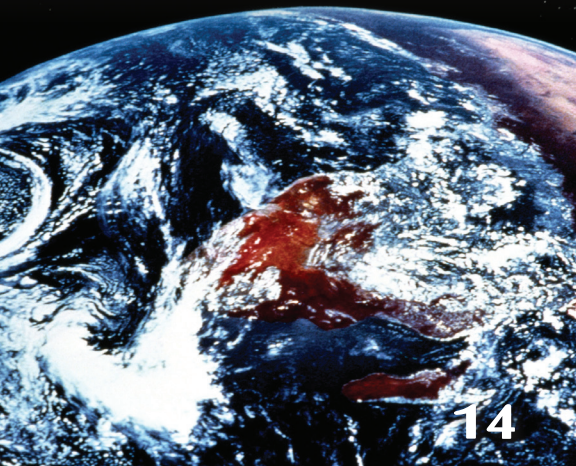
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Agriculture and Natural Resources

PHYSICAL SCIENCE

**Study of  
matter,  
energy,  
force, and  
space.**

FIELD OF SCIENCE

# METEOROLOGY



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Agriculture and Natural Resources

EARTH SCIENCE

**Study of  
weather,  
skies, and  
atmosphere.**

FIELD OF SCIENCE  
**GEOLOGY**

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EARTH SCIENCE

**Study of  
the Earth,  
rocks, and  
climate.**

FIELD OF SCIENCE

# OCEANOGRAPHY



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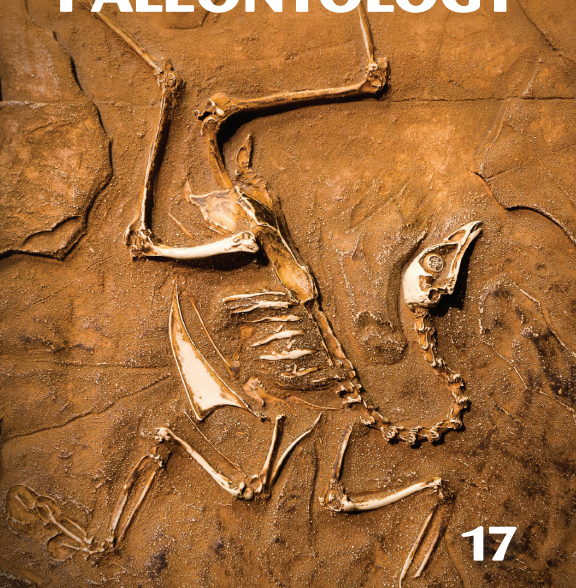
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EARTH SCIENCE

**Study of  
the oceans.**

FIELD OF SCIENCE

# PALEONTOLOGY



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Agriculture and Natural Resources

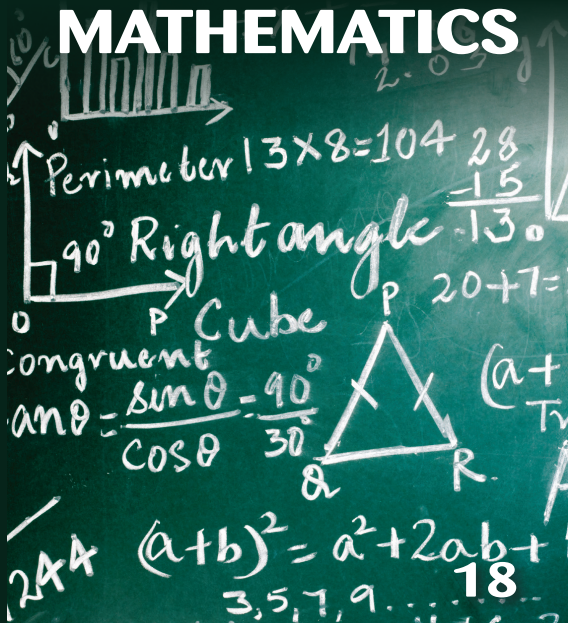
EARTH SCIENCE

# Study of prehistoric life

(including fossils  
and dinosaurs)

FIELD OF SCIENCE

# MATHEMATICS



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FORMAL SCIENCE

**Study  
of math.**

FIELD OF SCIENCE

# COMPUTER SCIENCE

```
dataSource.getConnection();  
connection.createStatement();  
statement.executeQuery();  
resultSet.next();
```

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FORMAL SCIENCE

**Study of  
programming,  
algorithms,  
and  
computation.**

FIELD OF SCIENCE  
**STATISTICS**

**ANALYTICS**

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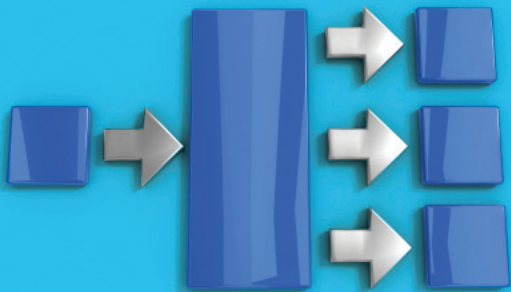


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FORMAL SCIENCE

**Study of the  
collection,  
organization,  
and analysis  
of data.**

FIELD OF SCIENCE  
**LOGIC**



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FORMAL SCIENCE

**Study of  
reasoning,  
ethics, and  
argumentation.**

FIELD OF ENGINEERING  
**AEROSPACE**



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Agriculture and Natural Resources

ENGINEERING

**Design  
aircraft,  
spacecraft,  
satellites,  
and  
missiles.**

FIELD OF ENGINEERING  
**CHEMICAL**



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Agriculture and Natural Resources

ENGINEERING

**Use  
chemistry,  
biology,  
and physics  
to solve  
problems  
and design  
large-scale  
industrial  
machinery.**

FIELD OF ENGINEERING  
**CIVIL**

**24**

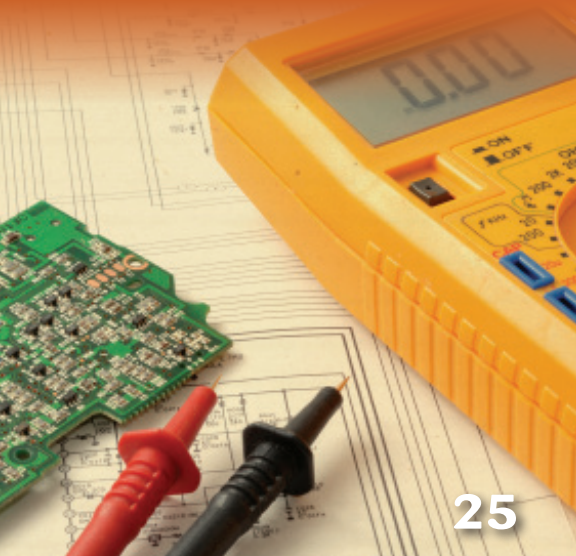


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Agriculture and Natural Resources

ENGINEERING

**Design and  
build large  
construction  
projects  
including  
roads,  
buildings and  
tunnels.**

FIELD OF ENGINEERING  
**ELECTRICAL**



**25**



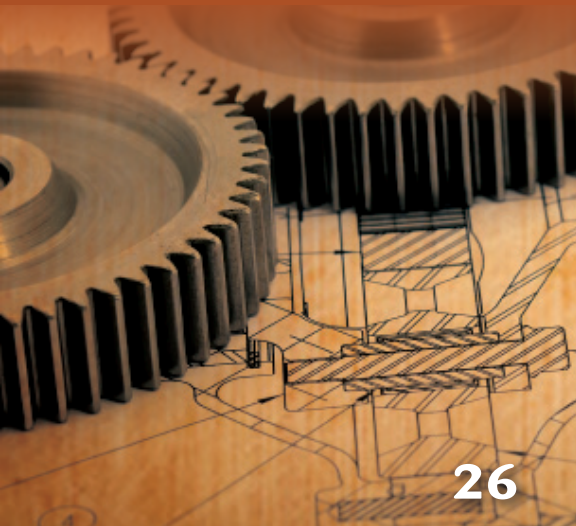
**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design and  
test electrical  
equipment.  
Study  
electricity  
and  
electronics.**

FIELD OF ENGINEERING

# MECHANICAL



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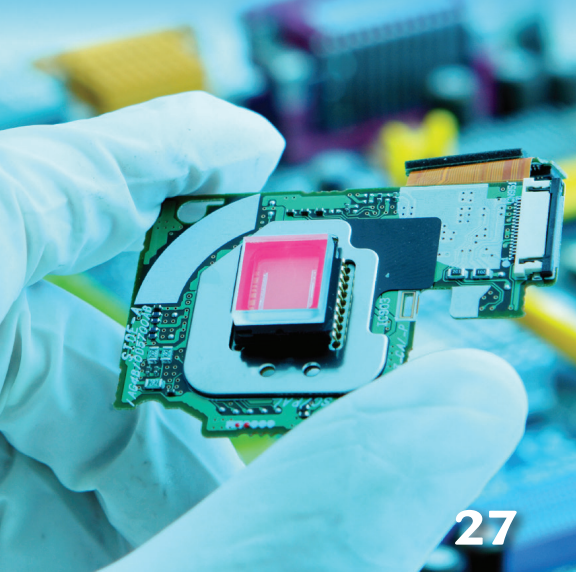
**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design,  
develop,  
build,  
and test  
mechanical  
devices**

(tools, engines,  
and machines).

# FIELD OF ENGINEERING MATERIALS



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## ENGINEERING

**Design and  
test materials  
to create new  
products**

(like skis and  
computer chips).

FIELD OF SCIENCE

# PSYCHOLOGY



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Agriculture and Natural Resources

SOCIAL SCIENCE

**Study of  
human  
thinking  
and  
behavior.**

FIELD OF SCIENCE  
**EDUCATION**



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Agriculture and Natural Resources

SOCIAL SCIENCE

**Study of  
how people  
learn and  
methods of  
teaching.**

FIELD OF SCIENCE

# HUMAN GEOGRAPHY

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Agriculture and Natural Resources

SOCIAL SCIENCE

**Study of  
communities,  
cities, and  
culture.**

FIELD OF SCIENCE  
**ANTHROPOLOGY**



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Agriculture and Natural Resources

SOCIAL SCIENCE

**Study of  
the culture  
and history  
of humans.**

FIELD OF SCIENCE

# ECONOMICS



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Agriculture and Natural Resources

SOCIAL SCIENCE

**Study of the  
production,  
distribution,  
and  
consumption  
of wealth.**

FIELD OF SCIENCE  
**POLITICAL  
SCIENCE**



**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

SOCIAL SCIENCE

**Study of  
government,  
democracy,  
and politics.**

FIELD OF SCIENCE  
**SOCIOLOGY**



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Agriculture and Natural Resources

SOCIAL SCIENCE

**Study of  
society and  
behavior of  
groups.**

FIELD OF SCIENCE

# LINGUISTICS



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SOCIAL SCIENCE

**Study of  
human  
language.**

# FIELD OF SCIENCE **HISTORY**



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SOCIAL SCIENCE

**Study of  
past human  
events.**

FIELD OF SCIENCE  
**RESEARCH  
IN LAW**

**LAW**



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Agriculture and Natural Resources

SOCIAL SCIENCE

**Study  
of legal  
systems  
and  
practice.**

FIELD OF SCIENCE  
**HUMANITIES**



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Agriculture and Natural Resources

HUMANITIES

# Study of human culture

(including  
literature,  
arts, religion,  
music and  
theatre).

FIELD OF ENGINEERING  
**ENVIRONMENTAL**



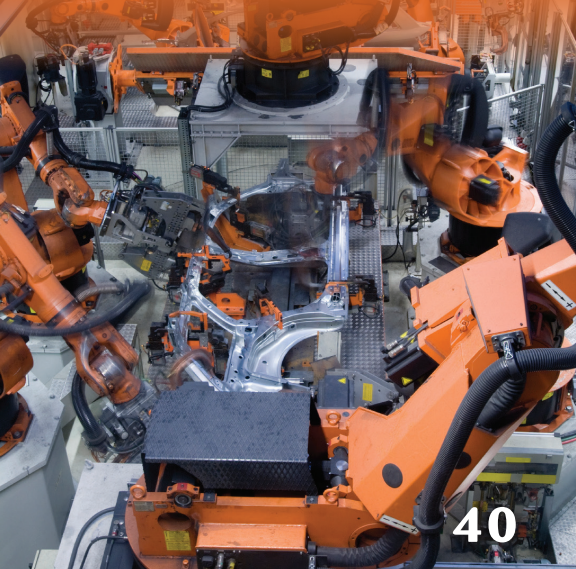
**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design  
and build  
technologies  
to protect the  
environment.**

FIELD OF ENGINEERING

# INDUSTRIAL



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**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design and  
analyze  
logistical and  
manufacturing  
systems.**

FIELD OF ENGINEERING

# STRUCTURAL

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Agriculture and Natural Resources

ENGINEERING

**Design,  
test, and  
construct  
buildings.**

# FIELD OF ENGINEERING **SYSTEMS**



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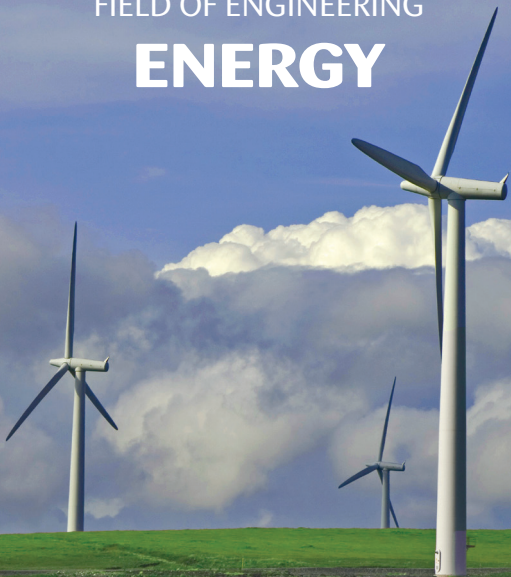


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Agriculture and Natural Resources

ENGINEERING

**Design and  
manage  
complex  
engineering  
projects.**

FIELD OF ENGINEERING  
**ENERGY**



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**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design and  
test new  
energy  
efficient  
technologies.**

FIELD OF ENGINEERING

# TEXTILE

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**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design and  
test fabrics  
and textiles.**

FIELD OF ENGINEERING

# SAFETY

45



**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design  
and test  
systems to  
manage  
risk  
and reduce  
hazards.**

FIELD OF ENGINEERING

# AGRICULTURAL



**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design,  
build,  
and test  
agricultural  
and farm  
machinery.**

FIELD OF ENGINEERING

# MECHATRONICS



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**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

ENGINEERING

**Design  
and build  
automation  
and robotics  
systems.**

FIELD OF ENGINEERING

# SOFTWARE

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Agriculture and Natural Resources

ENGINEERING

**Design and  
program  
computer  
software  
and systems.**

FIELD OF SCIENCE  
**OTHER  
SCIENCE**



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Agriculture and Natural Resources

OTHER SCIENCE

**Scientific  
study of  
natural  
phenomena.**

FIELD OF SCIENCE

# **OTHER ENGINEERING**

**50**



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Agriculture and Natural Resources

ENGINEERING

**Design  
and study  
to solve  
human  
problems.**