

# Agricultural engineering

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Agricultural engineering in forestry

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## Specialties

Agricultural engineers may engage in any of the following areas:

- design of agricultural machinery, equipment, and agricultural structures
- internal combustion engines as applied to agricultural machinery
- agricultural resource management (including land use and water use)
- water management, conservation, and storage for crop irrigation and livestock production
- surveying and land profiling
- climatology and atmospheric science
- soil management and conservation, including erosion and erosion control
- seeding, tillage, harvesting, and processing of crops
- livestock production, including poultry, fish, and dairy animals
- waste management, including animal waste, agricultural residues, and fertilizer runoff
- food engineering and the processing of agricultural products
- basic principles of circuit analysis, as applied to electrical motors
- physical and chemical properties of materials used in, or produced by, agricultural production
- bioresource engineering, which uses machines on the molecular level to help the environment.
- Design of experiments related to crop and animal production

## History

The first curriculum in agricultural engineering was established at Iowa State University by Professor J. B. Davidson in 1903. The American Society of Agricultural Engineers, now known as the American Society of Agricultural and Biological Engineers, was founded in 1907.<sup>[1]</sup>

## Agricultural engineers

Agricultural engineers may perform tasks such as planning, supervising and managing the building of dairy effluent schemes, irrigation, drainage, flood water control systems, performing environmental impact assessments, agricultural product processing and interpret research results and implement relevant practices. A large percentage of agricultural engineers work in academia or for government agencies such as the United States Department of Agriculture or state agricultural extension services. Some are consultants, employed by private engineering firms, while others work in industry, for manufacturers of agricultural machinery, equipment, processing technology, and structures for housing livestock and storing crops. Agricultural engineers work in production, sales, management, research and development, or applied science.

In the United Kingdom the term Agricultural Engineer is often also used to describe a person that repairs or modifies agricultural equipment.

## Academic programs in agricultural and biosystems engineering

Below is a listing of known academic programs that offer bachelor's degrees (B.S. or B.S.E. or B.E / B.Tech) in what ABET terms "Agricultural Engineering", "Biosystems Engineering", "Biological Engineering", or similarly named programs. ABET accredits college and university programs in the disciplines of applied science, computing, engineering, and engineering technology.

### America

*North America*



Institution	Department	Web site	Email
Auburn University	Biosystems Engineering	<a href="http://www.eng.auburn.edu/">www.eng.auburn.edu/</a> ( <a href="http://www.eng.auburn.edu/programs/bsen/index.html">http://www.eng.auburn.edu/programs/bsen/index.html</a> )	taylost at auburn.edu
Cal Poly San Luis Obispo	BioResource and Agricultural Engineering	<a href="http://www.brae.calpoly.edu/">www.brae.calpoly.edu/</a> ( <a href="http://www.brae.calpoly.edu/">http://www.brae.calpoly.edu/</a> )	ksolomon at calpoly.edu
Clemson University	Biosystems Engineering	[1] ( <a href="http://www.clemson.edu/majors/biosystems-engineering/">http://www.clemson.edu/majors/biosystems-engineering/</a> )	jjacks4 at clemson.edu
Cornell University	Biological and Environmental Engineering	<a href="http://bee.cornell.edu/">bee.cornell.edu/</a> ( <a href="http://bee.cornell.edu/">http://bee.cornell.edu/</a> )	baa7 at cornell.edu
Dalhousie University	Department of Engineering (Agricultural Campus)	<a href="http://www.dal.ca/academics/programs/undergraduate/engineering-diploma.html">www.dal.ca</a> ( <a href="http://www.dal.ca/academics/programs/undergraduate/engineering-diploma.html">http://www.dal.ca/academics/programs/undergraduate/engineering-diploma.html</a> )	Cathy.Wood at Dal.Ca
Iowa State University	Agricultural and Biosystems Engineering	<a href="http://www.abe.iastate.edu/">www.abe.iastate.edu/</a> ( <a href="http://www.abe.iastate.edu/">http://www.abe.iastate.edu/</a> )	estaben at iastate.edu
Kansas State University	Biological and Agricultural Engineering	<a href="http://www.bae.ksu.edu/home">www.bae.ksu.edu/home</a> ( <a href="http://www.bae.ksu.edu/home">http://www.bae.ksu.edu/home</a> )	contact-1 at bae.ksu.edu
Louisiana State University	Biological and Agricultural Engineering	<a href="http://www.bae.lsu.edu">www.bae.lsu.edu</a> ( <a href="http://www.bae.lsu.edu">http://www.bae.lsu.edu</a> )	DConstant at agcenter.lsu.edu
McGill University	Department of Bioresource Engineering	<a href="http://www.mcgill.ca/bioeng/">www.mcgill.ca/bioeng/</a> ( <a href="http://www.mcgill.ca/bioeng/">http://www.mcgill.ca/bioeng/</a> )	valerie.orsat at mcgill.ca
Michigan State University	Biosystems and Agricultural Engineering	<a href="http://www.egr.msu.edu/bae/">www.egr.msu.edu/bae/</a> ( <a href="http://www.egr.msu.edu/bae/">http://www.egr.msu.edu/bae/</a> )	srivasta at egr.msu.edu
Mississippi State University	Agricultural and Biological Engineering	<a href="http://www.abe.msstate.edu/">www.abe.msstate.edu</a> ( <a href="http://www.abe.msstate.edu/">http://www.abe.msstate.edu/</a> )	jpote at mafes.msstate.edu
North Carolina State University	Biological and Agricultural Engineering	<a href="http://www.bae.ncsu.edu/">www.bae.ncsu.edu/</a> ( <a href="http://www.bae.ncsu.edu/">http://www.bae.ncsu.edu/</a> )	robert_evans at ncsu.edu
North Carolina Agricultural & Technical State University	Chemical, Biological and Bioengineering Department	<a href="http://www.ncat.edu/academics/schools-colleges1/coe/cbbe/index.html">www.ncat.edu/</a> ( <a href="http://www.ncat.edu/academics/schools-colleges1/coe/cbbe/index.html">http://www.ncat.edu/academics/schools-colleges1/coe/cbbe/index.html</a> )	sbknisle at ncat.edu
North Dakota State University	Agricultural and Biosystems Engineering	<a href="http://www.ndsu.edu/aben/">www.ndsu.edu/aben/</a> ( <a href="http://www.ndsu.edu/aben/">http://www.ndsu.edu/aben/</a> )	aben at ndsu.edu
Ohio State University	Food, Agricultural and Biological Engineering	<a href="http://fabe.osu.edu">fabe.osu.edu</a> ( <a href="http://fabe.osu.edu">http://fabe.osu.edu</a> )	shearer.95 at osu.edu
Oklahoma State University	Biosystems and Agricultural Engineering	<a href="http://biosystems.okstate.edu">biosystems.okstate.edu</a> ( <a href="http://biosystems.okstate.edu/">http://biosystems.okstate.edu/</a> )	daniel.thomas at okstate.edu
Oregon State University	Biological and Ecological Engineering Department	<a href="http://bee.oregonstate.edu/">bee.oregonstate.edu/</a> ( <a href="http://bee.oregonstate.edu/">http://bee.oregonstate.edu/</a> )	john.bolte at oregonstate.edu
Penn State University	Agricultural and Biosystems Engineering	<a href="http://abe.psu.edu/">abe.psu.edu/</a> ( <a href="http://abe.psu.edu/">http://abe.psu.edu/</a> )	hzh at psu.edu
Purdue University	Agricultural and Biological Engineering	<a href="http://www.purdue.edu/abe">www.purdue.edu/abe</a> ( <a href="http://www.purdue.edu/abe">http://www.purdue.edu/abe</a> )	engelb at purdue.edu
South Dakota State University	Agricultural and Biosystems Engineering	<a href="http://www.sdstate.edu/abe/">www.sdstate.edu/abe/</a> ( <a href="http://www.sdstate.edu/abe/">http://www.sdstate.edu/abe/</a> )	Van.Kelley at sdstate.edu
Texas A&M University	Biological and Agricultural Engineering	<a href="http://baen.tamu.edu/">baen.tamu.edu/</a> ( <a href="http://baen.tamu.edu/">http://baen.tamu.edu/</a> )	info at baen.tamu.edu
University of Arizona	Agricultural and Biosystems Engineering	<a href="http://cals.arizona.edu/abe">cals.arizona.edu/abe</a> ( <a href="http://cals.arizona.edu/abe">http://cals.arizona.edu/abe</a> )	slackd at u.arizona.edu
University of Arkansas	Biological and Agricultural Engineering	<a href="http://www.baeg.uark.edu/">www.baeg.uark.edu/</a> ( <a href="http://www.baeg.uark.edu/">http://www.baeg.uark.edu/</a> )	lverma at uark.edu
University of California, Davis	Biological and Agricultural Engineering	<a href="http://bae.engineering.ucdavis.edu/">bae.engineering.ucdavis.edu/</a> ( <a href="http://bae.engineering.ucdavis.edu/">http://bae.engineering.ucdavis.edu/</a> )	rhpiedrahita at ucdavis.edu
University of Florida	Agricultural and Biological Engineering	<a href="http://www.abe.ufl.edu/">www.abe.ufl.edu/</a> ( <a href="http://www.abe.ufl.edu/">http://www.abe.ufl.edu/</a> )	dhaman at ufl.edu
University of Georgia	Biological and Agricultural Engineering	<a href="http://www.engr.uga.edu">www.engr.uga.edu</a> ( <a href="http://www.engr.uga.edu/">http://www.engr.uga.edu/</a> )	donleo at engr.uga.edu
University of Illinois	Agricultural and Biological Engineering	<a href="http://abe.illinois.edu/">abe.illinois.edu/</a> ( <a href="http://abe.illinois.edu/">http://abe.illinois.edu/</a> )	kcting at Illinois.edu
University of Kentucky	Biosystems and Agricultural Engineering	<a href="http://jokko.bae.uky.edu/BAEHome.asp">jokko.bae.uky.edu/BAEHome.asp</a> ( <a href="http://jokko.bae.uky.edu/BAEHome.asp">http://jokko.bae.uky.edu/BAEHome.asp</a> )	sue.nokes at uky.edu
University of Nebraska-Lincoln	Biological Systems Engineering	<a href="http://bse.unl.edu">bse.unl.edu</a> ( <a href="http://bse.unl.edu/">http://bse.unl.edu/</a> )	mriley3 at unl.edu
University of Manitoba	Biosystems Engineering	<a href="http://umanitoba.ca/faculties/engineering/departments/biosystems/index.html">http://umanitoba.ca/</a> ( <a href="http://umanitoba.ca/faculties/engineering/departments/biosystems/index.html">http://umanitoba.ca/faculties/engineering/departments/biosystems/index.html</a> )	headbio at cc.umanitoba.ca
University of Minnesota		<a href="http://www.bbe.umn.edu/">www.bbe.umn.edu/</a> ( <a href="http://www.bbe.umn.edu/">http://www.bbe.umn.edu/</a> )	shri at umn.edu

Institution	Department	Web site	Email
	Bioproducts and Biosystems Engineering		
University of Missouri	Biological Engineering	bioengineering.missouri.edu/ ( <a href="http://bioengineering.missouri.edu/">http://bioengineering.missouri.edu/</a> )	TanJ at missouri.edu
University of Saskatchewan	Biosystems Engineering and Soil Science	www.engr.usask.ca ( <a href="http://www.engr.usask.ca/departments/chebio/index.php">http://www.engr.usask.ca/departments/chebio/index.php</a> )	Pat.Hunchak at usask.ca
University of Tennessee	Biosystems Engineering & Soil Science	bioengr.ag.utk.edu ( <a href="http://bioengr.ag.utk.edu">http://bioengr.ag.utk.edu</a> )	edrumm at utk.edu
University of Wisconsin	Biological Systems Engineering	bse.wisc.edu/ ( <a href="http://bse.wisc.edu/">http://bse.wisc.edu/</a> )	doug.reinemann at wisc.edu
Utah State University	Biological Engineering	be.usu.edu ( <a href="http://be.usu.edu">http://be.usu.edu</a> )	ron.sims at usu.edu
Virginia Polytechnic University	Biological Systems Engineering	www.bse.vt.edu ( <a href="http://www.bse.vt.edu">http://www.bse.vt.edu</a> )	mlwolfe at vt.edu

*Mexico, Central and South America*

Institution	Department	Web site
Universidad Autónoma Chapingo, Mexico	Irrigation, Soils, Plant Science Department	portal.chapingo.mx/irrigacion/ ( <a href="http://portal.chapingo.mx/irrigacion/">http://portal.chapingo.mx/irrigacion/</a> )
Universidad Autónoma Agraria Antonio Narro, Mexico	Agricultural Engineering	<a href="http://www.uaaan.mx/v3/">http://www.uaaan.mx/v3/</a>
Universidad de Costa Rica, Costa Rica	Agricultural and Biosystems Engineering	[2] ( <a href="http://ingagri.ucr.ac.cr/inicio">http://ingagri.ucr.ac.cr/inicio</a> )
National University of Colombia	Agricultural Engineering	www.ing.unal.edu.co/ ( <a href="http://www.ing.unal.edu.co/progsfac/civil_agricola/index.php?option=com_content&amp;view=article&amp;id=191&amp;Itemid=80&amp;lang=es">http://www.ing.unal.edu.co/progsfac/civil_agricola/index.php?option=com_content&amp;view=article&amp;id=191&amp;Itemid=80&amp;lang=es</a> )
University of Campinas, Brazil	Agricultural Engineering	www.unicamp.br/unicamp/ ( <a href="http://www.unicamp.br/unicamp/content/agricultural-engineering">http://www.unicamp.br/unicamp/content/agricultural-engineering</a> )
University of São Paulo, Brazil	Biosystems Engineering	[3] ( <a href="http://www.leb.esalq.usp.br/">http://www.leb.esalq.usp.br/</a> )
Federal University of Viçosa, Brazil	Agricultural Engineering	[4] ( <a href="http://www.dea.ufv.br">http://www.dea.ufv.br</a> )
Federal University of Lavras, Brazil	Engineering Department	[5] ( <a href="https://web.archive.org/web/20160304235924/http://www.deg.ufla.br/site/index.php?id=107&amp;menu=m14&amp;t=engenharia-agricola">https://web.archive.org/web/20160304235924/http://www.deg.ufla.br/site/index.php?id=107&amp;menu=m14&amp;t=engenharia-agricola</a> )
Federal University of Pelotas, Brazil	Engineering Centre	[6] ( <a href="http://wp.ufpel.edu.br/cea/">http://wp.ufpel.edu.br/cea/</a> )
Pontifical Catholic University of Chile	Faculty of Agronomy & Forest Engineering	<a href="http://agronomia.uc.cl/">http://agronomia.uc.cl/</a> ( <a href="http://www7.uc.cl/english/prospectus/html/agronomy.html">http://www7.uc.cl/english/prospectus/html/agronomy.html</a> )
University of Concepción (Campus Chillán), Chile	Agricultural Engineering	[7] ( <a href="http://www.fiaudec.cl/">http://www.fiaudec.cl/</a> )

## Europe

Institution	Department	Web site
Agricultural Engineering	<a href="http://eng.au.dk/">http://eng.au.dk/</a>	
Agricultural University of Athens, Greece	Natural Resources Management and Agricultural Engineering	<a href="http://www.aua.gr/">http://www.aua.gr/</a>
Aristotle University of Thessaloniki, Greece	Hydraulics, Soil science and Agricultural Engineering	<a href="http://www.agro.auth.gr/">http://www.agro.auth.gr/</a>
Ankara University, Turkey	Agricultural Engineering	<a href="http://agri.ankara.edu.tr">agri.ankara.edu.tr</a> ( <a href="http://arsiv.ankara.edu.tr/english/bolum.php?bodb=14&amp;alt=2&amp;bodb1=15">http://arsiv.ankara.edu.tr/english/bolum.php?bodb=14&amp;alt=2&amp;bodb1=15</a> )
Akdeniz University, Turkey	Agricultural machinery and Technology Engineering	[8] ( <a href="https://web.archive.org/web/20140228023647/http://makina.ziraat.akdeniz.edu.tr:80/tr">https://web.archive.org/web/20140228023647/http://makina.ziraat.akdeniz.edu.tr:80/tr</a> )
Atatürk University, Turkey	Agricultural Structures and Irrigation	<a href="http://www.atauni.edu.tr">www.atauni.edu.tr</a> ( <a href="http://www.atauni.edu.tr/#birim=tarimsal-yapilar-ve-sulama-bolumu">http://www.atauni.edu.tr/#birim=tarimsal-yapilar-ve-sulama-bolumu</a> )
Ege University, Turkey	Faculty of Agriculture	[9] ( <a href="http://agr.ege.edu.tr/">http://agr.ege.edu.tr/</a> )
ETH Zurich, Switzerland	Agricultural Science	<a href="https://www.ethz.ch/">https://www.ethz.ch/</a> ( <a href="https://www.ethz.ch/en.html">https://www.ethz.ch/en.html</a> )
Harran University, Turkey	Agricultural Machinery	<a href="http://ziraat.harran.edu.tr">ziraat.harran.edu.tr</a> ( <a href="http://ziraat.harran.edu.tr/englishnew/agri_machinery/index.htm">http://ziraat.harran.edu.tr/englishnew/agri_machinery/index.htm</a> )
Harran University, Turkey	Agricultural Structures and Irrigation	<a href="http://ziraat.harran.edu.tr">ziraat.harran.edu.tr</a> ( <a href="http://ziraat.harran.edu.tr/englishnew/structure_irrigation/index.htm">http://ziraat.harran.edu.tr/englishnew/structure_irrigation/index.htm</a> )
Namik Kemal University, Turkey	Agricultural Engineering	<a href="http://ziraat-en.nku.edu.tr/">http://ziraat-en.nku.edu.tr/</a>
University of Bologna, Italy	Agricultural engineering and mechanics	<a href="http://www.unibo.it/">http://www.unibo.it/</a>
Universitat Politècnica de Catalunya, Spain	Agricultural Engineering	<a href="http://www.upc.edu/">http://www.upc.edu/</a>
Leibniz University Hannover, Germany	Water Resources and Environmental Management	<a href="http://www.bgt-hannover.de/">http://www.bgt-hannover.de/</a>
University of Hohenheim, Germany	Institute of Agricultural Engineering	<a href="http://www.uni-hohenheim.de/">www.uni-hohenheim.de/</a> ( <a href="https://www.uni-hohenheim.de/institution/institut-fuer-agrartechnik-15">https://www.uni-hohenheim.de/institution/institut-fuer-agrartechnik-15</a> )
University of Reading, UK	Agricultural Engineering	<a href="http://www.reading.ac.uk/">http://www.reading.ac.uk/</a>
University of Liège, Belgium	Gembloux Agro-Bio Tech,	[10] ( <a href="http://www.gembloux.ulg.ac.be/">http://www.gembloux.ulg.ac.be/</a> )
Universiteit Gent, Belgium	Faculty of Bioscience Engineering	[11] ( <a href="http://www.ugent.be/bw/en">http://www.ugent.be/bw/en</a> )
K.U. Leuven, Belgium	Faculty of Bioscience Engineering	<a href="http://www.kuleuven.be/english">www.kuleuven.be/english</a> ( <a href="https://web.archive.org/web/20130719070841/http://www.kuleuven.be/english/">https://web.archive.org/web/20130719070841/http://www.kuleuven.be/english/</a> )
U.C. Louvain, Belgium	Faculty of Bioscience Engineering	[12] ( <a href="http://www.uclouvain.be/en-agro.html">http://www.uclouvain.be/en-agro.html</a> )
University of Lisbon, Portugal	Instituto Superior de Agronomia	<a href="http://www.isa.utl.pt/">www.isa.utl.pt/</a> ( <a href="http://www.isa.utl.pt/">http://www.isa.utl.pt/</a> ) University of Évora, Portugal
University of Algarve, Portugal	Faculty of Sciences and Technology	<a href="http://www.ualg.pt/home/en/curso/1459">www.ualg.pt/home/en/curso/1459</a> ( <a href="https://www.ualg.pt/home/en/curso/1459/">https://www.ualg.pt/home/en/curso/1459/</a> )
University of Trás-os-Montes and Alto Douro, Portugal	Agronomy	<a href="http://ecav.utad.pt/vPT/Area2/Departamentos/agronomia">http://ecav.utad.pt/vPT/Area2/Departamentos/agronomia</a> ( <a href="http://ecav.utad.pt/vPT/Area2/Departamentos/agronomia/Paginas/default.aspx">http://ecav.utad.pt/vPT/Area2/Departamentos/agronomia/Paginas/default.aspx</a> )
University of Natural Resources and Life Sciences, Austria	Sustainable Agricultural Systems	<a href="http://www.boku.ac.at/">http://www.boku.ac.at/</a>
University College Dublin, Ireland	Biosystems Engineering	<a href="http://www.ucd.ie/eacollege/biosystems/">www.ucd.ie/eacollege/biosystems/</a> ( <a href="http://www.ucd.ie/eacollege/biosystems/">http://www.ucd.ie/eacollege/biosystems/</a> )
University of Debrecen, Hungary	Agricultural Engineering	<a href="http://edu.unideb.hu/">http://edu.unideb.hu/</a>

**Asia**



Institution	Department	Web site
CCS Haryana Agricultural University, Hisar, India	Agricultural Engineering	<a href="http://hau.ernet.in/coaet/coaet.php">http://hau.ernet.in/coaet/coaet.php</a>
Nims University, Jaipur, India	Agricultural Engineering	<a href="http://nimsuniversity.org/schools/nims-engineering-technology-schools/nims-school-of-agricultural-engineering/">http://nimsuniversity.org/schools/nims-engineering-technology-schools/nims-school-of-agricultural-engineering/</a>
IIT KHARAGPUR	Agricultural Engineering	<a href="http://www.agri.iitkgp.ernet.in/">http://www.agri.iitkgp.ernet.in/</a>
Institute Of Engineering, ERC (TU), Dharan-8, Nepal	Agricultural Engineering	<a href="http://www.ioepc.edu.np">http://www.ioepc.edu.np</a>
North Eastern Regional Institute of Science and Technology, India	Agricultural Engineering	<a href="http://www.nerist.ac.in">http://www.nerist.ac.in</a>
Acharya N G Ranga Agricultural University, Bapatla, India	Agricultural Engineering	<a href="http://www.caebapatla.co.in">www.caebapatla.co.in</a> ( <a href="http://www.caebapatla.co.in">http://www.caebapatla.co.in</a> )
Punjab Agricultural University, Ludhiana, Punjab, India	Agricultural Engineering	[13] ( <a href="http://www.pau.edu">http://www.pau.edu</a> )
G.B. Pant University of Agriculture & Technology, Pantnagar	Agricultural Engineering	[14] ( <a href="http://www.gbpuat.ac.in">http://www.gbpuat.ac.in</a> )
Nagaland University	Agricultural Engineering and Technology	[15] ( <a href="http://www.nagauniv.org">http://www.nagauniv.org</a> )
China Agricultural University	Agricultural Engineering	<a href="http://english.cau.edu.cn/col/col5470/index.html">english.cau.edu.cn/col/col5470/index.html</a> ( <a href="http://english.cau.edu.cn/col/col5470/index.html">http://english.cau.edu.cn/col/col5470/index.html</a> )
Northwest Agriculture and Forestry University, China	Agricultural Soil and Water Engineering	<a href="http://en.nwsuaf.edu.cn/">en.nwsuaf.edu.cn/</a> ( <a href="http://en.nwsuaf.edu.cn/academics/disciplines/28544.htm">http://en.nwsuaf.edu.cn/academics/disciplines/28544.htm</a> )
Shanghai Jiatong University, China	Biological Engineering; Food Science and Engineering	<a href="http://en.sjtu.edu.cn/academics/undergraduate-programs/">en.sjtu.edu.cn/academics/undergraduate-programs/</a> ( <a href="http://en.sjtu.edu.cn/academics/undergraduate-programs/">http://en.sjtu.edu.cn/academics/undergraduate-programs/</a> )
Xi'an Jiaotong University, China	Energy and Power Engineering	<a href="http://nd.xjtu.edu.cn/web/English.htm">nd.xjtu.edu.cn/web/English.htm</a> ( <a href="http://nd.xjtu.edu.cn/web/English.htm">http://nd.xjtu.edu.cn/web/English.htm</a> )
Yunnan Agricultural University, China	Agricultural Water-Soil Engineering	<a href="http://www.at0086.com/YUNNAU">www.at0086.com/YUNNAU</a> ( <a href="http://www.at0086.com/YUNNAU/Courseview.aspx?pid=157129">http://www.at0086.com/YUNNAU/Courseview.aspx?pid=157129</a> )
Zhejiang University, China	Biosystems Engineering and Food Science	<a href="http://www.caefs.zju.edu.cn/en/index.asp">www.caefs.zju.edu.cn/en/index.asp</a> ( <a href="http://www.caefs.zju.edu.cn/en/index.asp">http://www.caefs.zju.edu.cn/en/index.asp</a> )
Odisha University of Agriculture & Technology	Agricultural Engineering	<a href="http://www.ouat.ac.in/">http://www.ouat.ac.in/</a>
University of Agriculture Faisalabad Pakistan	Agricultural Engineering, Water Resources Engineering, Food Engineering, and Energy Engineering	<a href="http://www.uaf.edu.pk">http://www.uaf.edu.pk</a>
Universiti Putra Malaysia, Malaysia	Biological and Agricultural Engineering	[16] ( <a href="http://www.eng.upm.edu.my/akademikkbp#akademikkbp">http://www.eng.upm.edu.my/akademikkbp#akademikkbp</a> )
Bogor Agricultural University, Indonesia	Mechanical and Biosystem Engineering, Food Science and Technology, Agroindustrial Technology, Civil and Environmental Engineering	[17] ( <a href="http://fateta.ipb.ac.id/">http://fateta.ipb.ac.id/</a> )
Universitas Gadjah Mada, Indonesia	Agricultural and Biosystems Engineering	[18] ( <a href="http://tep.tp.ugm.ac.id/">http://tep.tp.ugm.ac.id/</a> )
		[19] ( <a href="http://www.usep.edu.ph">http://www.usep.edu.ph</a> )



Institution	Department	Web site
University of Southeastern Philippines	Agricultural Engineering	
Bangladesh Agricultural University	Agricultural Engineering and Food Engineering	[20] ( <a href="https://web.archive.org/web/20140222161010/http://www.bau.edu.bd/Agri-Engg-Technology">https://web.archive.org/web/20140222161010/http://www.bau.edu.bd/Agri-Engg-Technology</a> )
Sylhet Agricultural University	Agricultural Engineering and Technology	[21] ( <a href="https://web.archive.org/web/20140219043502/http://www.sau.ac.bd/faculties/agricultural_engineering/agri-engr-hub.aspx">https://web.archive.org/web/20140219043502/http://www.sau.ac.bd/faculties/agricultural_engineering/agri-engr-hub.aspx</a> )
University of Agricultural Sciences, Bengaluru, Karnataka, India	Agricultural Engineering	[ <a href="http://www.uasbangalore.edu.in">www.uasbangalore.edu.in</a> ]
University of agricultural sciences, Raichur, Karnataka, India		
Southern Philippines Agri-Business and Marine and Aquatic School of Technology, Digos City, Davao del Sur	Agricultural Engineering	[22] ( <a href="https://web.archive.org/web/20140621043717/http://www.spamast.edu.ph:80/index.php/en/">https://web.archive.org/web/20140621043717/http://www.spamast.edu.ph:80/index.php/en/</a> )
Xavier University - Ateneo de Cagayan, Cagayan de Oro City, Philippines	Agricultural Engineering	
Khyber Pakhtunkhwa University of Engineering and Technology, Peshawar Pakistan	Agricultural Engineering, Soil and Water Conservation Engineering, Farm Machinery	[23] ( <a href="http://www.uetpeshawar.edu.pk">http://www.uetpeshawar.edu.pk</a> )
King Mongkut's Institute of Technology Ladkrabang (KMUTL), Bangkok, Thailand	Agricultural Engineering	[24] ( <a href="http://agrieng.kmutl.ac.th">http://agrieng.kmutl.ac.th</a> )
Central Mindanao University - Maramag, Bukidnon	Agricultural Engineering	
A. S. ENGINEERING ENTERPRISE - RAMRAJATALA,	HOWRAH Agricultural Equipment	
Central Luzon State University (CLSU)	Agricultural and Biosystems Engineering	<a href="http://www.cenclsu.ph/">http://www.cenclsu.ph/</a> ( <a href="http://www.cenclsu.ph/academic-programs/bs-agri-biosystems-engg.html">http://www.cenclsu.ph/academic-programs/bs-agri-biosystems-engg.html</a> )
PJTS Agricultural University, Hyderabad	Agricultural Engineering	<a href="http://www.pjtsau.ac.in">http://www.pjtsau.ac.in</a>

|Bahawal-din-Zakriya University Multan,Pakistan(BZU) || Agricultural Engineering ||

## Oceania

Institution	Department	Web site
University of Southern Queensland, Australia	School of Civil Engineering and Surveying, Faculty of Health, Engineering and Sciences	<a href="http://www.usq.edu.au">www.usq.edu.au</a> ( <a href="http://www.usq.edu.au">http://www.usq.edu.au</a> )
Flinders University, Australia	School of Computer Science, Engineering and Mathematics	<a href="http://flinders.edu.au">flinders.edu.au</a> ( <a href="http://www.flinders.edu.au/science_engineering/csem/disciplines/civil/agric.cfm">http://www.flinders.edu.au/science_engineering/csem/disciplines/civil/agric.cfm</a> )

## See also

- Agricultural education
- Agricultural science
- Agronomy
- Bioresource engineering
- Copper alloys in aquaculture
- Industrial agriculture
- List of agricultural machinery
- Mechanized agriculture
- Water softening

## References

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## Further reading

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