

**Department of Agricultural and Bio-Resources Engineering**  
**Ahmadu Bello University Zaria**  
**Curriculum**

The Agricultural Engineering curriculum emphasizes physical sciences, general engineering courses, mathematics, general agriculture and some aspects of humanities. A general degree is thought to be appropriate based on the current job situation students are often encouraged to take up final year projects in the areas of their interest. Thus, it is hoped, they may determine the area of specialization at higher degree level. These areas are:

1. Farm Power and Machinery
2. Soil and Water Engineering
3. Farm Structures and Environmental Control
4. Agricultural Processing and Storage

**Strategic Goals:**

1. High quality teaching and research
2. Enabling environment for teaching and learning
3. Enhance outreach and community service
4. Resources mobilization for sustainable development and wealth creation
5. Develop manpower for national and international engagements

**How to achieve the Goals:**

**High quality teaching and research;**

- Development of staff minds to generate higher level thoughts and action
- Employment and retention of top quality professional staff members
- Provision of adequate number of high impact publications
- Organizing annual international seminars and conferences

**Enabling environment for teaching and learning;**

- Provision of appropriate equipment and facilities for teaching and research
- Enhancing the moral and working environment of staff
- Identify collaborative approaches to international research engagement and funding



	<p>top quality professional staff members</p> <p>iii- Provision of adequate high impact publications</p>	<p>experience staff annually</p> <p>-Sponsorship to local and international conference and workshop</p>		<p>University management</p>	Funds	On-going	Published articles in journals	5M	25M	
	<p>iv- Organizing annual international seminars and conferences</p>	<p>Formation of faculty conference committee</p>	2013 to 2017	<p>University management</p>	Funds	-				
			2014	<p>Deanery</p>	Funds	On-going	Executed conference	2M	10M	
2. Enabling environment for teaching and research	<p>i-Provision of appropriate equipments and facilities for teaching and research</p> <p>ii-Enhancing the moral and working environment of staff</p> <p>iii- Identify collaborative approaches to international research</p>	<p>Objective I of goal1</p> <p>Reward hard working</p>	-	-	-	-	-	-		
			2014	<p>University management</p>	Funds	-	Staff list	2M	10M	

	engagement and funding	Reachout	2014 to 2017	Deanery	Funds	-	Research proposals	3M	15M	
3. Enhancing outreach and community services	<p>i-Communicate with community leaders and organizations</p> <p>ii-Communicate effectively with the alumni</p> <p>iii-Mentoring community needs and problems</p> <p>iv- Engage in innovative research activities based on community needs</p> <p>v-Mobilization and dissemination of research result to the communities</p> <p>vi- Work with community clients in preparing researcher</p>	<p>Seminars and training workshop</p> <p>Open alumni office</p> <p>Research committee/Renaissance survey</p> <p>Proposal development</p> <p>Extension</p>	<p>2014 to 2017</p> <p>2015</p> <p>2015 to 2017</p> <p>2015</p> <p>2016</p> <p>2014</p>	<p>Department</p> <p>Department</p> <p>Department</p> <p>Department</p> <p>NAERLS/Department</p>	<p>Funds</p> <p>-</p> <p>Funds</p> <p>Funds</p> <p>Funds</p>	<p>-</p> <p>-</p> <p>-</p> <p>On-going</p> <p>-</p>	<p>No of Seminars</p> <p>Office allocation</p> <p>Survey records</p> <p>IAR green book</p> <p>Bulletin</p> <p>No. of meetings</p>	<p>2M</p> <p>-</p> <p>2M</p> <p>15M</p> <p>1.5M</p> <p>-</p>	<p>10M</p> <p>10M</p> <p>75M</p> <p>7.5M</p>	

		Research committee		Reearch committee	-	-				
4.Resource mobilization for sustainable development and wealth creation	i-Encourage innovation and exchange of ideas ii- Establishing alumni office for contacts and fund raising iii- Engaging in collaborative research activities with national and international organizations	Create linkages and mentoring								
		Allocation of office	2014	Department	Fund	-	Office	1M	5M	
		Research proposal development	2014	Department	Fund	On-going	Proposals	0.15M	0.75M	
5. Develop manpower for national and international engagements	i-Maximize opportunities for adequate training of graduates ii- Build strong partnership with industry and private foundations	Industrial visit and field trips	2014	Department	Fund	On-going	No. of trips	1M	5M	
		Industrial survey Collaborative Research	2014	Department	Fund	-	No. of industry engaged	2M	10M	

				Total					1603.25 M	
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### Organogram

