

WELCOME  
TO  
DAKAR AMERICAN UNIVERSITY OF  
SCIENCE & TECHNOLOGY

DAU/IST

Educating the next generation of Engineers, Inventors, and Innovators

# History

- Founded in 2016 by Prof. Sidy Ndao
- First class: Spring of 2017 (1 year old)
- DAUST is a program of SenEcole

Youth Programs in STEM  
Education



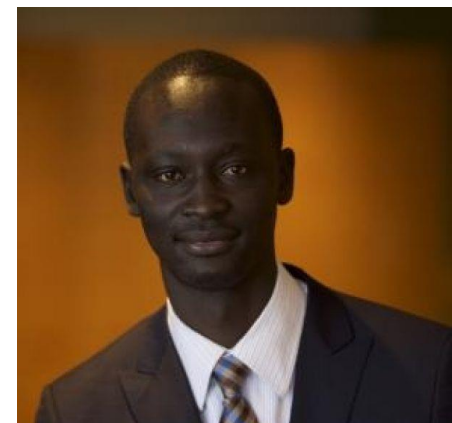
Development of STEM  
Curriculum & Tools



Higher Education  
& Research



Prof. Sidy Ndao



Mr. Sadibou Sylla  
CEO, SenEcole

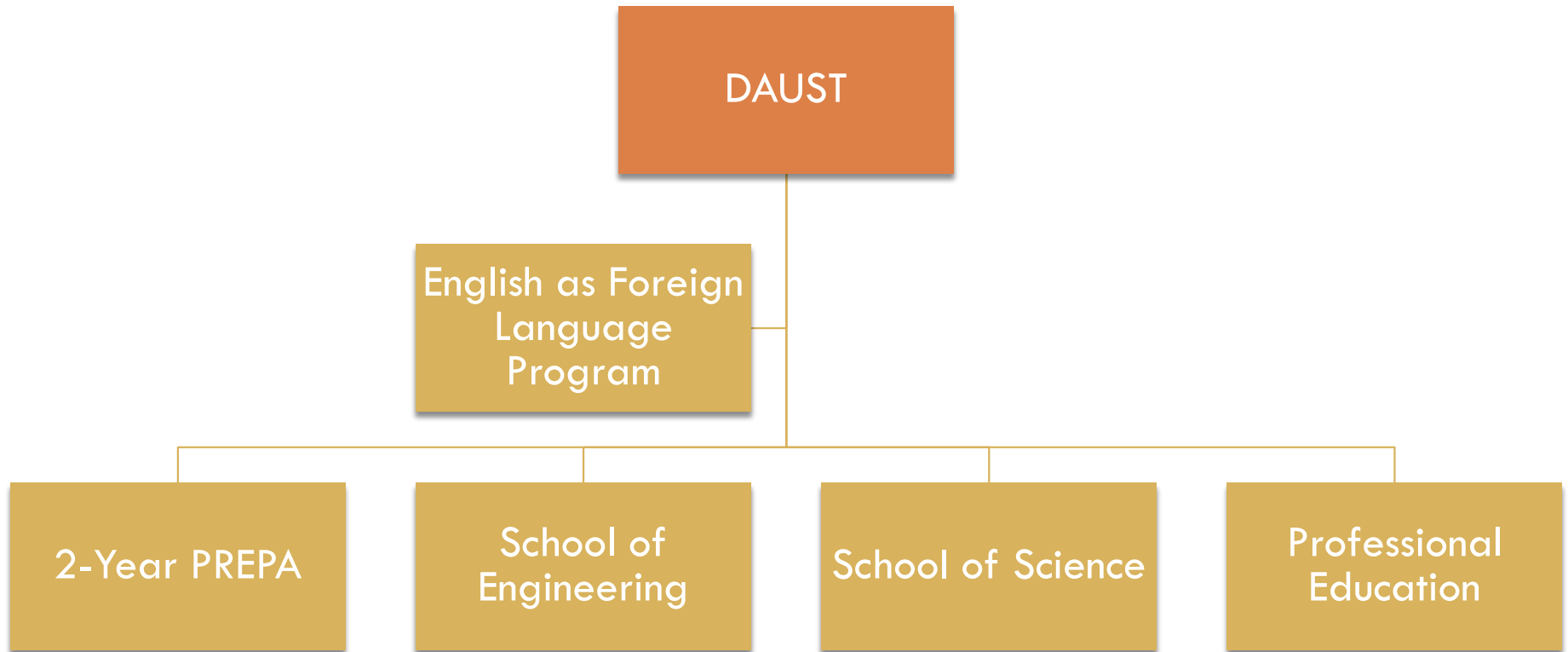
# Goals

- Provide a state-of-the-art American education in the areas of Sciences and Engineering to African and foreign students
- Educate African students to become engineering professionals who have practical skills and are highly marketable
- Train African students to become world leaders in cutting-edge basic and applied research in Engineering

# How

- Having a diverse faculty committed to engineering education,
- Providing a strong foundation in mathematics and science,
- Establishing an outstanding engineering design and technology development oriented curriculum,
- Incorporating a strong laboratory component that is supported by unparalleled laboratory facilities, and
- Encouraging early-stage student involvement in the Engineering Design process through cooperative education and student engineering organizations.

# DAUST Structure



# School of Engineering

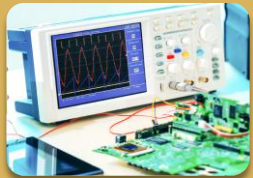
## Academic Departments



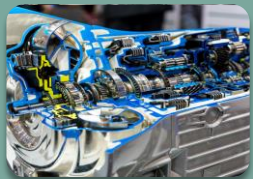
Chemical & Biomolecular  
Engineering



Civil & Environmental  
Engineering



Electrical Engineering &  
Computer Science



Mechanical & Aerospace  
Engineering

## Minor Programs

Biomedical

Nanotechnology

Robotics

Materials

Petroleum

# First 2 Years at DAUST



## YEAR 1

Fall		Spring	
Calculus I	MATH 1010	Calculus II	MATH 1020
Physics I	PHYS 1100	Physics II	PHYS 1200
General Chemistry I	CHEM 1100	Fundamentals of Biology	BIO 1100
Introduction to Programming I	ENGR 1200	Introduction to Engineering II	ENGR 1120
Introduction to Engineering I	ENGR 1100	English Composition II	ENGL 1020
English Composition I	ENGL 1010		

## YEAR 2

Fall		Spring	
Numerical Methods	ENGR 2100	Linear Algebra	MATH 2600
Differential Equations	MATH 2400	Statistics & Probability	MATH 2500
Modern Physics	PHYS 1300	Science & Engineering Elective	
Science & Engineering Elective		Science & Engineering Elective	
Hum. or Soc. Sci. Elective		Hum. or Soc. Sci. Elective	

# Grading & Transcript

GPA	Letter Grade	Percentage Grade
4.00	A / A+	94-100
3.67	A-	90-93
3.33	B+	87-89
3.00	B	84-86
2.67	B-	80-83
2.33	C+	77-79
2.00	C	74-76
1.67	C-	70-73
1.33	D+	67-69
1.00	D	64-66
0.67	D-	60-63
0	F	0-59

- United States Grading System
- “F” is a failing grade and student must repeat class
- “D” is considered to be an unsatisfactory passing grade
- Unofficial transcript can be downloaded directly from student’s SIS account (to be available soon)
- Additional letter grades
  - FN = Failure for Non-Attendance
  - W = Withdrawal
  - WP = Withdrawal (had a passing grade at the time of withdrawal)
  - WF = Withdrawal (had a failing grade at the time of withdrawal)
  - UW = Unofficial Withdrawal
  - X = Audit/Exemption
  - NR = Not Reported by Instructor
  - E = Excellent
  - P = Pass



# Absenteeism Policy

- All the DAUST instructors take attendance
- One allowed absence (which students do not have to justify)
- Late twice equals one absence
- More than three unexcused absences equals course failure

# Spring 2018 Schedule



## □ Undergraduate Program

Time	Mon	Tue	Wed	Thu	Fri
7:30 AM	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
8:00 AM					
8:30 AM			Introduction to Engineering II, Rm LH12		
9:00 AM					
9:30 AM	Physics II Rm LH01	Calculus II Rm LH01			Physics II Rm LH01
10:00 AM					
10:30 AM					
11:00 AM	Fundamentals of Biology, Rm LH01	Physics II Recitation Rm LH01	Physics LAB Rm LH11	Calculus II Recitation Rm LH01	Fundamentals of Biology, Rm LH01
11:30 AM					
12:00 PM					
12:30 PM					
1:00 PM					
1:30 PM					
2:00 PM	General Chemistry Rm LH01	English Composition II, Rm LH01	General Chemistry Rm LH01	English Composition II, Rm LH01	
2:30 PM					
3:00 PM					
3:30 PM	Math / Physics / Chemistry Tutoring		Math / Physics / Chemistry Tutoring	Freshman Seminar Rm LH01	
4:00 PM					
4:30 PM					
5:00 PM					

# Spring 2018 Schedule

## □ English As Foreign Language

Time	Mon	Tue	Wed	Thu	Fri
7:30 AM	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
8:00 AM					
8:30 AM			Introduction to Engineering II, Rm LH12		
9:00 AM					
9:30 AM	Communication & Pronunciation, Rm LH22	Reading and Writing Rm LH22		Reading and Writing Rm LH22	Reading and Writing Rm LH22
10:00 AM					
10:30 AM					
11:00 AM	Grammar, Rm LH22	Listening & Speaking Rm LH22	Grammar, Rm LH22	Listening & Speaking Rm LH22	Listening & Speaking Rm LH22
11:30 AM					
12:00 PM					
12:30 PM					
1:00 PM					
1:30 PM					
2:00 PM	Vocabulary Building Rm LH22	MPS Rm TBD	Vocabulary Building Rm LH22		
2:30 PM					
3:00 PM					
3:30 PM		MPS Rm TBD		Freshman Seminar Rm LH01	
4:00 PM					
4:30 PM					
5:00 PM					

# Student Clubs & Tutoring

A New Student Club space has been added

- American Institute of Chemical Engineers (AIChE)
- American Society of Mechanical Engineers (ASME)
- American Institute of Aeronautics and Astronautics (AIAA)
- Institute of Electrical and Electronics Engineers (IEEE)
- American Society of Civil Engineers (ASCE)
- Engineers Without Borders (EWB)
- More...



We are a small family

We want everyone to succeed: **Tutoring hours are scheduled twice a week for all students**

No excuses for failure

# Questions?



# DAUST

**Educating the next generation of Engineers, Inventors, and Innovators**

<http://daust.org/>

[info@daust.org](mailto:info@daust.org)