



Bahir Dar Institute of Technology
Bahir Dar University



MSC STUDENT ID

Name: Nahoo Asteraye Tsige

Dept: Msc In Environmental Engineer

ID: BDU1602949

Issue Date: Mar-18-2024





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Addis Ababa City Resident ID Card

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የመታ.ቁ./ID No ID/KO/W05/01533647

ሙሉ ስም ፍሁ አስተርአየ ጽጌ
Full Name NAHOO ASTERAYE TSIGE

የትውልድ ቀን/DOB መስከረም 10, 1991/SEP 20, 1998

የደም አይነት/Blood Group A +VE ፆታ/Sex ወ / M

የተሰጠበት ቀን/Issue Dt መስከረም 04, 2016/Sep 15, 2023

የሚያበቃበት ቀን/Expiry Dt መስከረም 04, 2020/Sep 15, 2027

ሰጪው አካል
Issuing Authority



Nahoo Asteraye Tsigie

Nationality: Ethiopian **Date of birth:** 20/09/1998 **Gender:** Male

Phone number: (+251) 912804851

Email address: nahooasteraye18@gmail.com

Skype: live:.cid.4a177e026a92cf31

Home: 1000 Addis Ababa (Ethiopia)

ABOUT ME

I am a fresh graduate of Chemical engineering with a specialization in Process Engineering. Throughout the entirety of my being, I have cultivated a steadfast devotion to tackling fresh endeavors, embracing a variety of opportunities, and perpetually seeking knowledge. I have the distinct capacity to view challenges as catalysts for personal growth and effortlessly channel them into my own areas of passion. I thrive on embarking on uncharted journeys, readily embracing academic and entrepreneurial challenges, and wholeheartedly dedicating myself until I achieve mastery.

WORK EXPERIENCE

General Project manager

BiT Makers space [Current]

City: Bahirdar

Country: Ethiopia

- Clearly defined the objectives of our project.
- Developed a detailed project plan that outlines the tasks, timelines, and dependencies involved in producing ultrasound gel from aloe vera leaves and assembled a team with the necessary skills and expertise.

President of Bahir Dar University BiT Student's spiritual Association

Ethiopian Orthodox Church [04/09/2022 – 29/07/2023]

City: Bahirdar

Country: Ethiopia

Website: <https://eotcmk.org/a/>

- Developed a strategic plan that outlined the steps necessary to achieve your association's goals. This plan included objectives, timelines, and key performance indicators.
- Fostered a sense of community and engagement among your members. Encouraged participation in activities, events, and discussions related to spirituality, providing opportunities for personal growth and development.

An Intern

Tekrariwa plastic production [01/01/2022 – 30/06/2022]

City: Bahi

Country: Ethiopia

- Conducted research on renewable energy sources that could be integrated into the factory's operations. This involves exploring options such as solar panels, wind turbines, or biomass energy systems and assessing their feasibility and potential benefits.

- Implemented energy monitoring systems to track energy usage in different areas of the factory. Analyze the data collected to identify patterns, trends, and areas for improvement, and present recommendations based on the findings.

Summit Ambassador

Youth STEM 2030 [01/11/2021 – 01/01/2022]

City: Addis Ababa

Country: Ethiopia

Website: <https://www.youthstem2030.org/>

EDUCATION AND TRAINING

Master of science in Environmental Engineering

Bahirdar University [05/11/2023 – Current]

City: Bahirdar

Country: Ethiopia

Website: <http://www.bdu.edu.et/>

Founding member of BiT TUM SEED center

BiT TUM SEED [02/2024]

Website: <https://www.linkedin.com/company/bit-sirees/>

Bachelor of science in chemical engineering

Bahirdar University [08/09/2018 – 15/07/2023]

City: Bahirdar

Country: Ethiopia

Website: <http://www.bdu.edu.et/>

Final grade: 3.81

Thesis: production and characterization of biodiesel from castor seed

- Engineering Techniques (Design thinking, Heat and mass Transfer analysis, Thermodynamics, Modeling and Simulation, Fluid dynamics, Finite Element Analysis (FEA), Risk Assessment and Management, Statistical Analysis and Design of Experiments (DOE), Aspen HYSYS)
- Engineering Software (Aspen plus, Computer-Aided Design (CAD), ANSYS, MATLAB)
- Programming (Python, C++, R, Aspen HYSYS)
- Research methodologies
- Technical writing

Career development and job readiness

Dereja [08/2023]

Website: <https://www.dereja.com/>

African Regional forum on sustainable development

African Youth Commission (AYC) [28/02/2023]

Website: <https://africanyouthcommission.org/new/>

Environmental Protection and Climate Change

African Youth for Development Commission (AYDEC) [08/2022]

Website: <https://aydec.site123.me/>

Establishing and promoting youth-led enterprises

Kefeta [04/2021]

Website: <https://amref.org/ethiopia/kefeta/>

LANGUAGE SKILLS

Mother tongue(s): **Amharic**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office / Social Media / Microsoft Word / Microsoft Powerpoint / Microsoft Excel

DRIVING LICENCE

Driving Licence: BE

CERTIFICATIONS

Advanced sustainable development in practice

Link: https://unccelearn.org/mod/customcert/my_certificates.php?userid=948994&certificateid=153&downloadcert=1

Entrepreneurship for Tourism Business

Link: <https://online.atangi.org/admin/tool/certificate/view.php?code=7311398584NT>

Environmental Science Fundamentals

Link: <https://www.mindluster.com/student/certificate/16442789451>

Ecology

Link: <https://www.mindluster.com/student/certificate/16442789397>

Gender and Environment

Link: https://unccelearn.org/mod/customcert/my_certificates.php?userid=948994&certificateid=25&downloadcert=1

Green Industrial Policy: Promoting Competitiveness and Structural Transformation

Link: https://unccelearn.org/mod/customcert/my_certificates.php?userid=948994&certificateid=88&downloadcert=1

Introduction to Sustainable Development in Practice

Link: https://unccelearn.org/mod/customcert/my_certificates.php?userid=948994&certificateid=143&downloadcert=1

Sustainable diet

Link: https://unccelearn.org/mod/customcert/my_certificates.php?userid=948994&certificateid=57&downloadcert=1

The Paris Agreement Implementation and Compliance Committee

Link: https://unccelearn.org/mod/customcert/my_certificates.php?userid=948994&certificateid=155&downloadcert=1

STUDENT ACADEMIC RECORD

Department: Chemical Engineering

First Name: NAHOO Father Name: ASTERAYE G.Father Name: TSGE Sex: M Birth Date: Sep 20, 1998 Medium of Instruction: English
 ID Number: BDU1103192 From: Time Academy Test Date: Jun 17, 2017 Admission Classification: Regular

Course No.	Course Title	Credit	Grade	G.Pts.
Admitted to: Regular/Degree Program				
Semester:1 AcYear:2018/2019 Year:1				
GEng1031	Introduction to Engineering Profession	2	A+	8
MEng1031	Engineering Drawing	5	A-	18.75
EnLa1011	Communicative English Skills	5	A+	20
CvEH1011	Civics and Ethical Education	5	A+	20
Math1041	Applied Mathematics-I	6	A	24
CEng1061	Engineering Mechanics-I(Statics)	5	A-	18.75
Semester Average: 3.91		28		109.50
Semester:2 AcYear:2018/2019 Year:1				
MEng1062	Engineering Mechanics II (Dynamics)	5	B-	13.75
ChEng1084	Fluid Mechanics I	5	B+	17.5
ChEng1082	Fundamental to Chemical Engineering	5	C	10
Phil1012	Reasoning Skills (Logic)	3	A	12
EnLa1012	Basic Writing Skills	5	A-	18.75
Math1042	Applied Mathematics II	6	F	0
MEng1032	Workshop Practice	2	B+	7
Semester Average: 2.55		31		79.00
Cumulative Average: 3.19		59		188.50
Semester:1 AcYear:2019/2020 Year:2				
Math2041	Applied Mathematics III	6	B+	21
Chem2073	Analytical Chemistry	5	A	20
Stat2051	Probability and Statistics for Engineers	4	A+	16
CoSc2031	Introduction to Computer Programming	5	A-	18.75
ChEng2081	Chemical Engineering Thermodynamics I	5	A	20
ChEng2083	Fluid Mechanics II	5	A	20
Chem2071	Applied Inorganic Chemistry	4	A	16
Semester Average: 3.88		34		131.75
Cumulative Average: 3.44		93		320.25
Semester:2 AcYear:2019/2020 Year:2				
ChEng2042	Numerical Methods	5	A	20
ChEng2082	Chemical Engineering Thermodynamics II	6	A-	22.5
ChEng2084	Transport Phenomenon	6	B+	21
ChEng2102	Mechanical Unit Operation	5	A-	18.75
ChEng2112	Applied Electrochemistry	3	A+	12
Chem2072	Applied Organic Chemistry	4	A-	15
MEng2122	Strength of Materials	4	A-	15
Semester Average: 3.77		33		124.25
Cumulative Average: 3.53		126		444.50

Course No.	Course Title	Credit	Grade	G.Pts.
Semester:1 AcYear:2020/2021 Year:3				
ChEng3111	Reaction Engineering I	5	B	15
ChEng3091	Fluid Machines	5	A	20
ChEng3101	Mechanical Unit Operation Laboratory	3	A	12
ChEng3131	Process Industries-I	5	B+	17.5
ChEng3103	Thermal Unit Operation	5	A+	20
ChEng3093	Thermo Fluid Laboratory	2	A	8
Econ3021	Introduction to Economics	4	A+	16
FEng3131	Food and Beverage Engineering	4	A	16
Semester Average: 3.77		33		124.50
Cumulative Average: 3.58		159		569.00
Semester:2 AcYear:2020/2021 Year:3				
ChEng3142	Basic Environmental Engineering	5	A-	18.75
ChEng3112	Reaction Engineering II	5	A	20
ChEng3114	Reaction Engineering Laboratory	3	A	12
ChEng3122	Material Science and Engineering	4	A	16
ChEng3132	Process Industries-II	5	A	20
ChEng3102	Mass Transfer Unit Operation	6	A-	22.5
ChEng3104	Thermal & Mass Transfer Unit Operation Laboratory	3	A	12
Semester Average: 3.91		31		121.25
Cumulative Average: 3.63		190		690.25
Semester:1 AcYear:2021/2022 Year:4				
ChEng4161	Chemical Engineering Apparatus Design	6	A	24
ChEng4151	Process Measurement and Instrumentation	4	A+	16
ChEng4153	Process Dynamics and Control	6	B+	21
ChEng4171	Sustainable Energy Technology	4	A+	16
ChEng4121	Introduction to Polymer Science and Engineering	4	A+	16
EEng4151	Fundamentals of Electrical Machine and Electronics	4	A+	16
ChEng4111	Introduction to Biochemical Engineering	5	A+	20
Cheng4241	Holistic Exam	2	A-	7.5
Semester Average: 3.9		35		136.50
Cumulative Average: 3.67		225		826.75
Semester:2 AcYear:2021/2022 Year:4				
ChEng4242	Internship	30	A+	120
Semester Average: 4		30		120.00
Cumulative Average: 3.71		255		946.75

Grading System: A+=Excellent, A=Excellent, B+=Very Good, B=Very Good, C+=Good, C=Good, C-=Unsatisfactory, C-=Unsatisfactory, D=Very Poor, Fx=Fail, F=Fail, P=Pass, FL=Fail, **=On Progress, P=Pass, FL=Fail, **=Repeated Course, A+=4, A=3.75, B+=3.5, B=3, B-=2.75, C+=2.5, C=2, C-=1.75, D=1, Fx=0, F=0, NB: One Class hour, or 2-3 Laboratory Hours, per week for 16 weeks=one Term hour or credit. NaN=Not Applicable.

Date of issue:

Registrar:

17 JAN 2024

STUDENT ACADEMIC RECORD

Department: Chemical Engineering

First Name: **NAHOO** Father Name: **ASTERAYE** G.Father Name: **TSIGE** Sex: **M** Birth Date: **Sep 20, 1998** Medium of Instruction: **English**
 ID Number: **BDU1103192** From: **Time Academy** Test Date: **Jun 17, 2017** Admission Classification: **Regular**

Course No.	Course Title	Credit	Grade	GPTS
Semester:1 AcYear:2022/2023 Year: 5				
ChEng5163	Plant Design and Economics	6	A-	22.5
ChEng5251	Research Methods and Experimental Design	4	B+	14
ChEng5253	Semester Project	3	A	12
IEng5021	Production Management	4	A	16
ChEng5161	Computer Aided Process Design and Simulation	4	B+	14
ChEng5181	Separation Technology	4	A	16
ChEng5143	Solid Waste and Hazardous Management	4	A+	16
Math1042	Applied Mathematics II	6	A+	24
		Semester Average: 3.84		134.50
		Cumulative Average: 3.81		1081.2
Semester:2 AcYear:2022/2023 Year: 5				
ChEng5021	Industrial Safety and Loss Prevention	3	A-	11.25
ChEng5164	Process Integration and Pinch Analysis	5	A-	18.75
MEng5162	Refrigeration and Air Conditioning	4	A	16
IEng5022	Entrepreneurship for Engineers	5	A-	18.75
ChEng5172	Energy Utilization and Audit	4	A-	15
ChEng5252	Final Year Project	10	A+	40
ChEng5262	National Exit Examination for Chemical Engineering	0	P	
		Semester Average: 3.86		119.75
		Cumulative Average: 3.81		1201.0



Graduation Approved

01 FEB 2024

21 JAN 2024

Grading System: A+=Excellent, A=Excellent, A-=Excellent, B+=Very Good, B=Very Good, B-=Good, C+=Good, C=Good, C-=Satisfactory, D=Very Poor, Fx=Fail, F=Fail, P=Pass, FL=Fail, **=On Progress, P=Pass, FL=Fail, *=Repeated Course, A+=4, A=4, A-=3.75, B+=3.5, B=3, B-=2.75, C+=2.5, C=2, C-=1.75, D=1, Fx=0, F=0, NB: One Class hour, or 2-3 Laboratory Hours, per week for 16 weeks=one Term hour or credit. NaN=Not Applicable.
 THE TRANSCRIPT IS OFFICIAL ONLY WHEN SIGNED AND SEALED BY THE REGISTRAR
 Date of issue: _____ Registrar: _____

