The University of Texas at Austin

Master of Science in Data Science – Mathematics & Programming Preparedness Form

Applicant's name: Hendry Widyanto ***UT EID:*** hw23452.

Please provide as much background information as you can for the prerequisite subjects in the table below. After completing the chart, be sure to provide documentation (in the form of transcripts and/or certificates) and highlight the specific course(s) for which you are claiming credit. We recommend completing this form, saving it as a PDF, and merging it with PDF files of your transcripts and/or certificates. At the end, you should upload 1 PDF with this form and your transcripts and/or certificates to your MyStatus portal.

For more information on the background course details, visit the math course and statistics course descriptions.

PREREQUISITE COURSEWORK

Subject Area	Semester Taken	College/ University	Course Number & Course Title	Textbook Used	Grade Earned
Linear Algebra	Winter 2017	Peninsula College	MATH 210 Linear Algebra	Linear Algebra with Applications, Jeffrey Holt	4.00
Multivariable Calculus	Fall 2017	University of Minnesota	MATH 2374 CSE Multivariable Calculus	Vector Calculus, Jerold E. Marsden	A / 4.00
Intro Statistics	Winter 2016	Peninsula College	Math 146& Intro to Stats	An Introduction to Statistical Learning, Gareth James	4.00
Programming*					
Programming*					
Programming*					

(*) For Programming, list completed courses **OR** describe relevant employment experience. If you choose the latter, briefly answer the questions below (no need to do both).

(i) Nature of programming experience (key words):	Advance
(ii) Programming language(s) (R, python, C++ or equivalent):	Python, Javascript, Web Technology (HTML, CSS, React)
(iii) Are you using any software repository (Github)? Please provide URL.	Github (https://github.com/Gonzushi?tab=repositories)

RELEVANT EMPLOYMENT EXPERIENCE

If applicable, please describe your employment history as a data scientist or in another role with responsibilities similar to that of a data scientist. For all roles, please include the name of your employer, title, period of service, and indicate whether the position was permanent or temporary (consulting or internship).	Company: Abbott Laboratory Role: Associate Engineer Position: Permanent Period: August 2021 - Current Experience: • Build a website for internal use to publish custom report. Technology used: backend (Python, FastAPI), frontend (React, HTML, JS, CSS), database (Salesforce, Azure SQL), and cloud service (Azure Functions, Azure App Service, Entra ID) • Create an application to receive a complaint from the client and sales team using PowerApps as the user interface and Python (with FastAPI) as the backend. Then, transfer the data to Salesforce • Build dashboard for the group using Power Platform (Power BI and Power Automate) • Monitor and analyze complaint data to gain insight whether there are anomalies. If yes, I am required to escalate it for Corrective and Preventive Action (CAPA)

UNIVERSITY OF MINNESOTA
OFFICE OF THE REGISTRAR

TRANSCRIPT RECORD

University of Minnesota Official Transcript

Name : Widyanto,Hendry
Student ID : 5411245
Birthdate : 3 - 4

Print Date: 03/30/2022

MOST RECENT PROGRAMS

Campus : University of Minnesota, Twin Cities
Program : College of Sci and Engineering
Plan : Chemical Engineering B Ch E
Degree Sought : Bachelor of Chemical Engineering
Advisor : Hu,Wei-Shou

Program : College of Sci and Engineering
Plan : Chemistry B S Chem
Degree Sought : Bachelor of Science in Chemistry

- - - - - University of Minnesota Degrees and Certificates Awarded - - - - -

Degree: Bachelor of Chemical Engineering
Confer Date: 05/12/2021
Degree GPA: 3.480
Acad Program: College of Sci and Engineering
Plan: Chemical Engineering B Ch E

Degree: Bachelor of Science in Chemistry
Confer Date: 05/12/2021
Degree GPA: 3.480
Acad Program: College of Sci and Engineering
Plan: Chemistry B S Chem

Transfer Credits

Transfer Credit from Peninsula College
Semester Transfer Totals: 62.640

*** * * * * Beginning of Undergraduate Record * * * * ***

Fall Semester 2017

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

Course		Description	Attempted	Earned	Grade	Points
CHEM	2301	Organic Chemistry I	3.00	3.00	A	12.000
CHEN	2001	Material & Energy	4.00	4.00	B-	10.668
GEOG	1403	Biogeography	4.00	4.00	B+	13.332
JOUR	1001	Intro to Mass Comm	3.00	3.00	A-	11.001
MATH	2374	CSE Multivariable Calc	4.00	4.00	A	16.000
TERM GPA :		3.500 TERM TOTALS :	18.00	18.00	18.00	63.001

Spring Semester 2018

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

Course		Description	Attempted	Earned	Grade	Points
CHEM	2121	Process Anal Chem	3.00	3.00	A-	11.001
CHEM	2302	Org Chem II	3.00	3.00	A-	11.001
CHEM	2311	Organic Lab	4.00	4.00	B+	13.332
CHEM	4501	Intro to Thermo, Kin, Stat Mec	3.00	3.00	A-	11.001
MATS	3011	Intro. Mat. Sci.	3.00	3.00	A-	11.001
TERM GPA :		3.584 TERM TOTALS :	16.00	16.00	16.00	57.336

Fall Semester 2018

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemistry B S Chem

Course		Description	Attempted	Earned	Grade	Points
CHEM	4701	Inorg Chem	3.00	3.00	B+	9.999
CHEN	3005	Transport Phenomena	4.00	4.00	B-	10.668
CHEN	3101	Chem Eng Thermodyn	4.00	4.00	A	16.000
CHEN	3701	Intro Biomolecular Eng	3.00	3.00	B+	9.999
YOST	1366	Stories of Resistance & Change	3.00	3.00	A	12.000
TERM GPA :		3.451 TERM TOTALS :	17.00	17.00	17.00	58.666

Spring Semester 2019

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemistry B S Chem

Course		Description	Attempted	Earned	Grade	Points
AMST	1012	U.S. on an Immigrant Planet	3.00	3.00	S	0.000
CHEN	3006	Mass Trans and Sepn	4.00	4.00	A-	14.668
CHEN	3102	Reaction & Reactor	4.00	4.00	A	16.000
CHEN	3201	Numerical methods in ChEn	3.00	3.00	A-	11.001
CHEN	3401W	Jr Chemical Engineering Lab	2.00	2.00	B	6.000
TERM GPA :		3.667 TERM TOTALS :	16.00	16.00	13.00	47.669

Term Honor: Dean's List

Fall Semester 2019

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemistry B S Chem

Course		Description	Attempted	Earned	Grade	Points
ME	3041	Ind Assignment I	2.00	2.00	A-	7.334
TERM GPA :		3.667 TERM TOTALS :	2.00	2.00	2.00	7.334

Spring Semester 2020

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemistry B S Chem

Course		Description	Attempted	Earned	Grade	Points
ME	4043W	Ind Assignment II	4.00	4.00	B	12.000

Due to the COVID-19 pandemic, Satisfactory/Not Satisfactory grading permitted for many classes and degree requirements.

TERM GPA : 3.000 TERM TOTALS : 4.00 4.00 4.00 12.000

Hendry Widyanto

Stacey Tidball
Associate Vice Provost & University Registrar
University of Minnesota, Twin Cities

University of Minnesota Official Transcript

Name : Widyanto,Hendry
Student ID : 5411245
Birthdate : 3 - 4

Fall Semester 2020

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemistry B S Chem

Course		Description	Attempted	Earned	Grade	Points
CEGE	3190	Curricular Practical Training	1.00	1.00	S	0.000
CHEM	4221	Intro Poly Chem	3.00	3.00	B+	9.999
CHEM	4502	Intro to Quantum, Spectroscopy	3.00	3.00	A	12.000
CHEN	4401W	Senior Chem Eng Lab	4.00	4.00	B	12.000
CHEN	4601	Process control	3.00	3.00	B+	9.999

Due to the COVID-19 pandemic, Satisfactory/Not Satisfactory grading permitted for many classes and degree requirements.

TERM GPA : 3.384 TERM TOTALS : 14.00 14.00 13.00 43.998

Spring Semester 2021

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemical Engineering B Ch E

University of Minnesota, Twin Cities
College of Sci and Engineering
Chemistry B S Chem

Course		Description	Attempted	Earned	Grade	Points
CHEM	4223W	Polymer Lab	2.00	2.00	A-	7.334
CHEM	4423W	Foundations of Chem Bio Lab	2.00	2.00	A-	7.334
CHEN	4501W	Chemical Engineering Design	4.00	4.00	B	12.000

Due to the COVID-19 pandemic, Satisfactory/Not Satisfactory grading permitted for many classes and degree requirements.

TERM GPA : 3.334 TERM TOTALS : 8.00 8.00 8.00 26.668

Undergraduate Career Totals

CUM GPA: 3.480 UM TOTALS: 95.00 95.00 91.00 316.672

UM + TRANSFER TOTALS: 157.64

***** End of Transcript *****

Stacey Tidball
Associate Vice Provost & University Registrar
University of Minnesota, Twin Cities

Transcript Key

Academic calendar

The semester system started Fall 1999 for all University of Minnesota campuses. Prior to Fall 1999 the University used a quarter system with these exceptions: Law school started on semesters Fall 1981, and some College of Continuing Education courses were taught on a semester calendar but the credits reported as quarter credits.

Accreditation

The University of Minnesota is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Course (class) numbering system (from Fall 1999)

0000 to 0999 remedial courses
1000 to 1999 primarily for undergraduates in first year
2000 to 2999 primarily for undergraduates in second year
3000 to 3999 primarily for undergraduates in third year
4000 to 4999 primarily for undergraduates in fourth year, may be applied to a Graduate School degree with approval by the student's major field and if taught by a member of the graduate faculty or an individual authorized by the program to teach at the graduate level
5000 to 5999 primarily for graduate students but third and fourth year undergraduates may enroll
6000 to 7999 for post-baccalaureate professional degree students
8000 to 9999 for graduate students

Prior course numbering systems

For Fall 1970 through Summer 1999 (course numbering prior to 1970 is noted in parentheses):
0000 to 0999 noncredit courses
1000 to 1999 (01 - 49) introductory courses primarily for freshmen and sophomores
3000 to 3999 (50 - 99) intermediate courses primarily for juniors and seniors
5000 to 5999 (100 - 199) advanced courses for juniors, seniors, and graduate students
8000 to 8999 (200 and higher) for graduate and professional school students

Credit

Starting Fall 1999 – units are semester credit
Prior to Fall 1999 – units generally are quarter credit (see calendar for exceptions)
Thesis credit – an asterisk (*) will appear following the course title of courses numbered 8777, 8888, or 8999 if the degree award is shown
An asterisk (*) indicates graduate credit taken though College of Continuing Education (Continuing Education and Extension prior to Fall 1999)

Grading policy (complete)

Available online at policy.umn.edu/Policies/Education/Education/GRADING TRANSCRIPTS.html

Grading definitions

A – achievement that is outstanding relative to the level necessary to meet course requirements
B – achievement that is significantly above the level necessary to meet course requirements
C – achievement that meets the course requirements in every respect
D – achievement that is worthy of credit even though it fails to meet fully the course requirements
E – achievement that is significantly greater than the level required to meet the basic course requirements but not judged to be outstanding
F (or N) – represents failure (or no credit) and signifies that the work was either (1) completed but at a level of achievement that is not worthy of credit or (2) was not completed and there was no agreement between the instructor and the student that the student would be awarded an I (see also I)
H – Honors (used by Law School and Medical School only)
I – (Incomplete) assigned at the discretion of the instructor when, due to extraordinary circumstances, e.g., hospitalization, a student is prevented from completing the work of the course on time. Requires a written agreement between instructor and student
K – assigned by an instructor to indicate the course is still in progress and that a grade cannot be assigned at the present time
LP - low pass (used by Law School only)
NG – no grade required
NR - grade not reported
O – represents outstanding achievement for Doctor of Medicine and Doctor of Veterinary Medicine programs
P – achievement designating passing work
Q – achievement designating passing work
R – a course related registration symbol
S – achievement that is satisfactory, which is equivalent to a C- or better for undergraduate students (C or better on the Duluth campus). Graduate and professional programs may establish higher standards for earning a grade of S.
T – test credit
V – registration as an auditor or visitor (a non-grade non-credit registration)
W – entered by the registrar's office when the student officially withdraws from a course after the second week
X – reported by the instructor for a student in a sequence course where the grade cannot be determined until the sequence is complete – the instructor is to submit a grade for each X when the sequence is complete
Y – assigned from Fall 1929 to Summer 1959 to indicate the student canceled while doing passing work
Z – assigned from Fall 1929 to Summer 1959 to indicate the student canceled while doing failing work

On the Twin Cities campus from Fall 1972 through Summer 1977 and on the Morris campus from Fall 1972 through Summer 1985, the official University transcript included only positive academic achievements. Courses in which the student received a grade of N or a registration symbol of I or W did not appear on the transcript.

Grade/Numeric Point Average formula

Effective Fall 1997, grade point values were standardized for the University. All units except Law use: A = 4.000, A- = 3.667,B+ = 3.333, B = 3.000, B- = 2.667, C+ = 2.333, C = 2.000, C- = 1.667, D+ = 1.333, D = 1.000, F = 0.000, I = 0.000, K = 0.000, X = 0.000. Effective Fall 2004, the Twin Cities campus Law School uses University standard grading, with the addition of A+ = 4.333 and excluding D+.
Before 1997, most units did not use +/-. But the Duluth campus and the School of Management used: A = 4.0, A- = 3.6, B+ = 3.3,
B = 3.0, B- = 2.6, C+ = 2.3, C = 2.0, C- = 1.6, D+ = 1.3, D = 1.0,
F = 0.0 and the Twin Cities General College used A = 4.0,
A- = 3.6, B = 3.2, B- = 2.8, C+ = 2.4, C = 2.0, C- = 1.6, D = 1.2, D- = 0.8, F = 0.0
Prior to Fall 2004, the Twin Cities campus Law School used a numeric rather than a grade point average for the *juris doctor (J.D.)* degree program. Grades ranged from 4-16 points based on the following: 14-16: Excellent/Outstanding; 11-13: Substantially better than average; 8-10: Minimally acceptable; 5-7: Inadequate (credits count towards degree completion, and NPA); 4: Failing; 0: Non-performance. Classes for which a 0 grade was earned are not included in NPA calculation. Grades earned in the *LL.M.* (Master of Laws) program were: A=4.00, B=3.00, C=2.00, D=1.00, F=0.00. No +/- distinctions are given.

Symbols following course numbers

C – certificate credit
E – on Duluth campus, registration in Continuing Education, or on Twin Cities campus, an MBA course
G – honors course for extra credit
H – honors course
J – evening MBA course for extra credit
K – evening MBA course by independent study
L – honors course by independent study
M – extra credit by independent study
Q – evening MBA extra credit by independent study
R – honors extra credit by independent study
S – semester registration (pre-1999)
T – semester honors course (pre-1999)
U – special term course taken for extra credit
V – honors and writing intensive
W – writing intensive
X – extra credit
Y – independent study
Z – special term registration

Additional notations

Canceled means that all course registration was canceled (i.e., dropped) before the end of the second week of the term.

Degree with distinction indicates graduation with high GPA; **degree with honors** (laude) indicates completion of honors program.

Second Language Proficiency means demonstrated intermediate proficiency in reading, writing, listening, and speaking.

For more information, visit www.umn.edu

Campus Records office locations:

University of Minnesota, Crookston
9 Hill Hall
Crookston, MN 56716-5001
218-281-8548
Dept of Educ Inst cd: 004069

University of Minnesota, Duluth
184 Darland Administration Building
Duluth, MN 55812-3011
218-726-8000
Dept of Educ Inst cd: 002388

University of Minnesota, Morris
212 Behmler Hall
Morris, MN 56267-2132
320-589-6030
Dept of Educ Inst cd: 002389

University of Minnesota, Twin Cities
333 Bruininks Hall
Minneapolis, MN 55455
612-624-1111
Dept of Educ Inst cd: 003969
or
130 Coffey Hall
St. Paul, MN 55108
612-624-1111
or
130 West Bank Skyway
Minneapolis, MN 55455
612-624-1111

University of Minnesota, Rochester
111 South Broadway
Rochester, MN 55904
507-258-8457
Dept of Educ Inst cd: 003969

The University of Minnesota, Waseca campus closed in 1992. For information on Waseca student transcripts, contact a Twin Cities office.

PENINSULA COLLEGE

Unofficial Transcript - Academic Career

Name: **Hendry Widyanto**
Student ID: **201594570**

Print Date: 02/09/2024

Degrees Awarded

Degree: Associate in Science
Confer Date: 06/15/2017
Plan: Associate in Science- Transfer AS-T - Track 1

FALL 2015 (09/21/2015 - 12/09/2015)

Course		Description	Attempted	Earned	Grade	Points
ENGL&	101	English Composition I	5.000	5.000	4.0	20.000
G S	103	Freshman Seminar	3.000	3.000	4.0	12.000
MATH&	151	Calculus I:Analyt Geom	5.000	5.000	4.0	20.000
MUSC&	105	Music Appreciation	5.000	5.000	4.0	20.000

			Attempted	Earned	GPA Units	Points
Term GPA	4.000	Term Totals	18.000	18.000	18.000	72.000

WINTER 2016 (01/04/2016 - 03/18/2016)

Course		Description	Attempted	Earned	Grade	Points
ENGL&	102	English Comp II	5.000	5.000	4.0	20.000
MATH&	146	Introduction To Stats	5.000	5.000	4.0	20.000
MATH&	152	Calculus II:Analyt Geom	5.000	5.000	4.0	20.000

			Attempted	Earned	GPA Units	Points
Term GPA	4.000	Term Totals	15.000	15.000	15.000	60.000

SPRING 2016 (04/04/2016 - 06/17/2016)

Course		Description	Attempted	Earned	Grade	Points
CHEM&	131	Intro To Organic/Biochem	6.000	6.000	3.9	23.400
CMST&	220	Public Speaking	5.000	5.000	4.0	20.000
MATH&	163	Calculus III:Analygtgeom	5.000	5.000	4.0	20.000

			Attempted	Earned	GPA Units	Points
Term GPA	3.962	Term Totals	16.000	16.000	16.000	63.400

FALL 2016 (09/19/2016 - 12/07/2016)

Course		Description	Attempted	Earned	Grade	Points
CHEM&	161	General Chem W/Lab I	5.000	5.000	4.0	20.000
HIST&	147	U.S. History II	5.000	5.000	3.9	19.500
PHYS&	221	Engineering Physics I	5.000	5.000	4.0	20.000

			Attempted	Earned	GPA Units	Points
Term GPA	3.967	Term Totals	15.000	15.000	15.000	59.500

Unofficial Transcript - Academic Career

Name: **Hendry Widyanto**
Student ID: **201594570**

WINTER 2017 (01/03/2017 - 03/17/2017)

Course		Description	Attempted	Earned	Grade	Points
CHEM&	162	General Chem W/Lab II	5.000	5.000	4.0	20.000
MATH	210	Linear Algebra	5.000	5.000	4.0	20.000
PHYS&	222	Engineering Physics II	5.000	5.000	4.0	20.000

			Attempted	Earned	GPA Units	Points
Term GPA	4.000	Term Totals	15.000	15.000	15.000	60.000

SPRING 2017 (03/30/2017 - 06/15/2017)

Course		Description	Attempted	Earned	Grade	Points
CHEM&	163	General Chem W/Lab III	5.000	5.000	4.0	20.000
MATH	238	Differential Equations	5.000	5.000	4.0	20.000
PHYS&	223	Engineering Physics III	5.000	5.000	3.8	19.000

			Attempted	Earned	GPA Units	Points
Term GPA	3.933	Term Totals	15.000	15.000	15.000	59.000

Undergraduate Totals

Cum GPA	3.980	Cum Totals	94.000	94.000	94.000	373.900

MEMBER OF PHI THETA KAPPA

End of Unofficial Transcript - Academic Career