

Digital Diplomas - McMaster University

PESC
October 23, 2019





Hamilton, ON

Established in 1887

Undergrads: 27,282

Graduate: 4,561

72nd in World University
Rankings

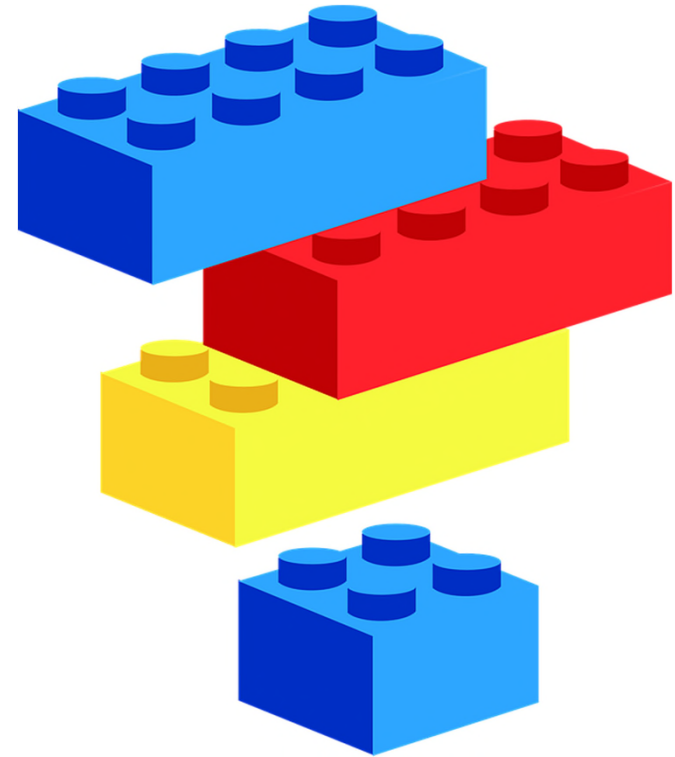
2nd University Impact Ranking

Notable Graduates: Donna
Strickland, Martin Short

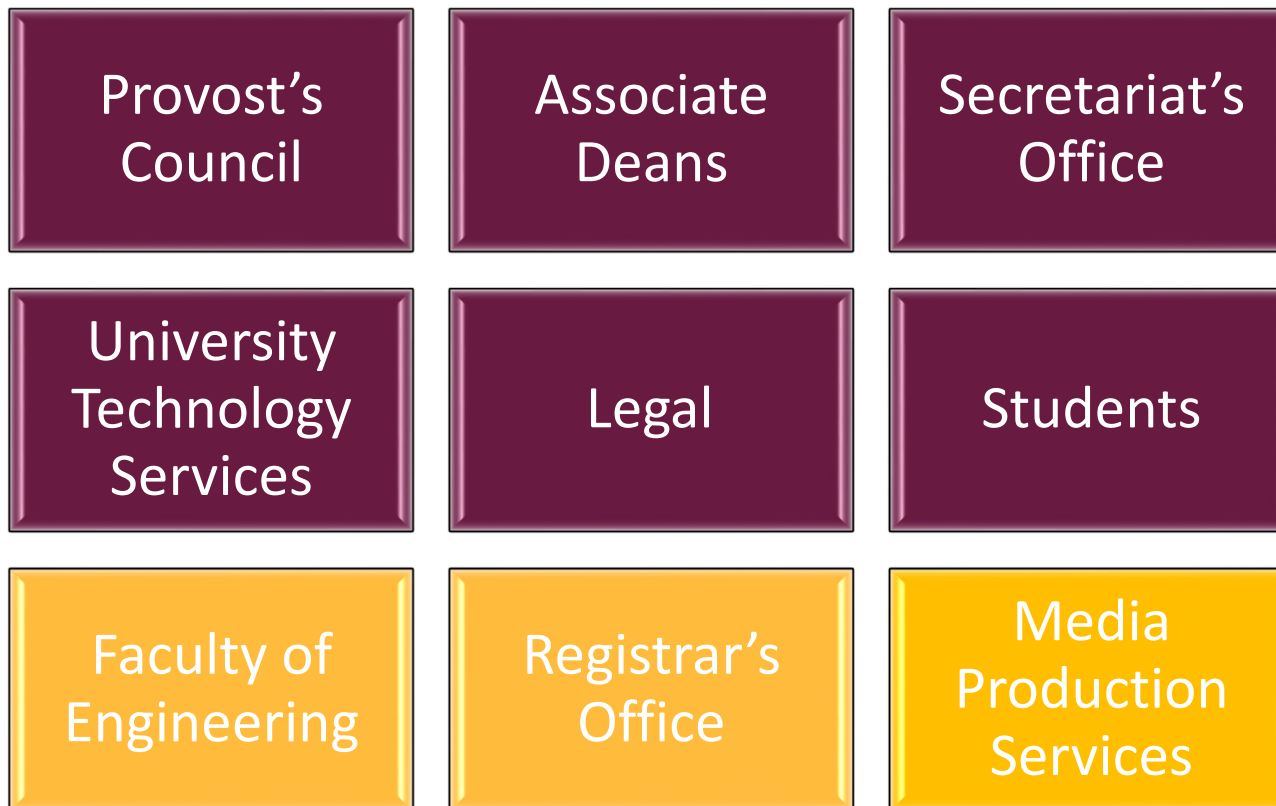
Digital Diplomas – Why?



<https://www.eng.mcmaster.ca/meet-dean-puri>



Digital Diplomas – The Who



Hand-drawn diagram on a whiteboard showing the flow of an email verification process:

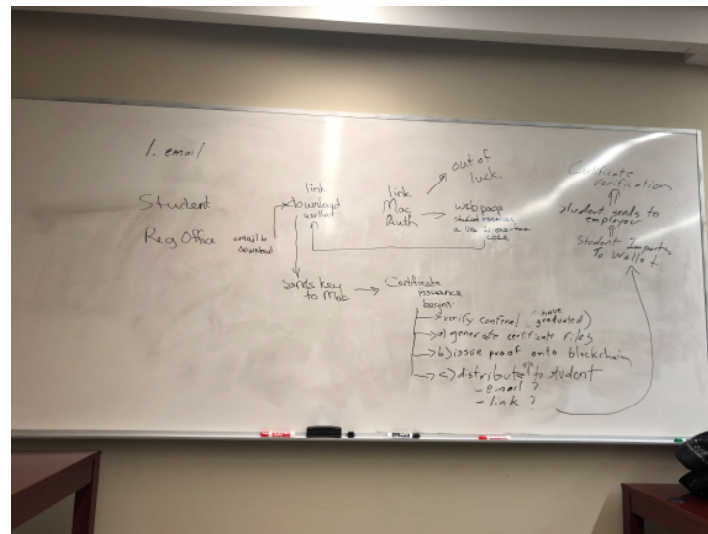
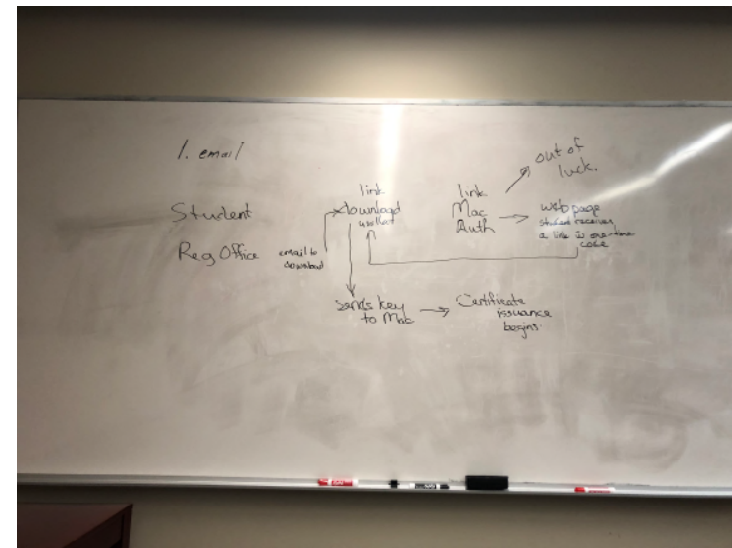
- generate list of potential subscribers** (box)
- Email** (box)
 - personality - R
 - last name
 - first name
 - gender
 - birth date
- verify** (box)
- validate by web page** (box)
- Database** (box)
 - name
 - password
 - email
 - id
- POST** (box)
 - name
 - password
- technical check programming** (box)

Flow: generate list of potential subscribers → Email → verify → validate by web page → Database

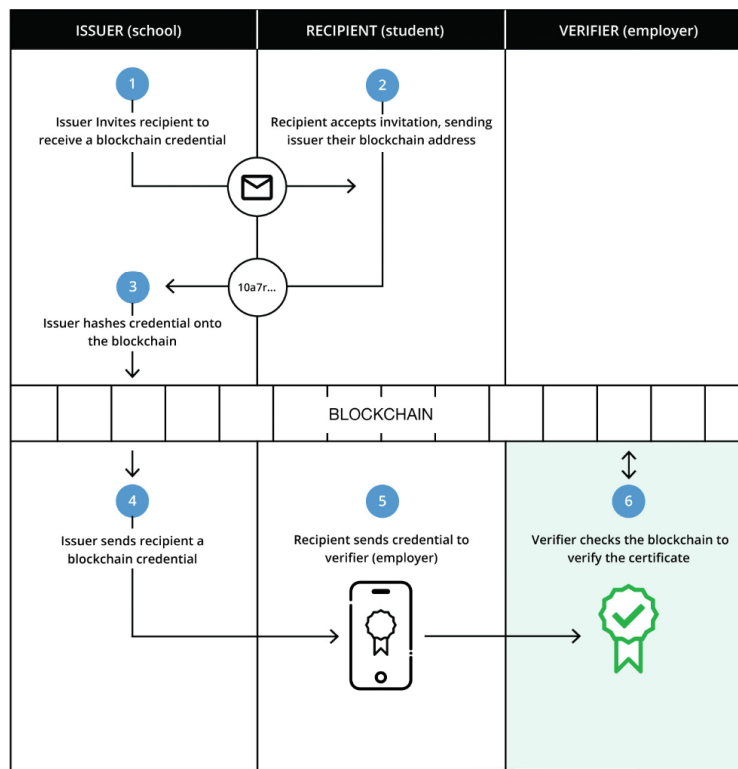
Technical check programming → verify

POST → Database

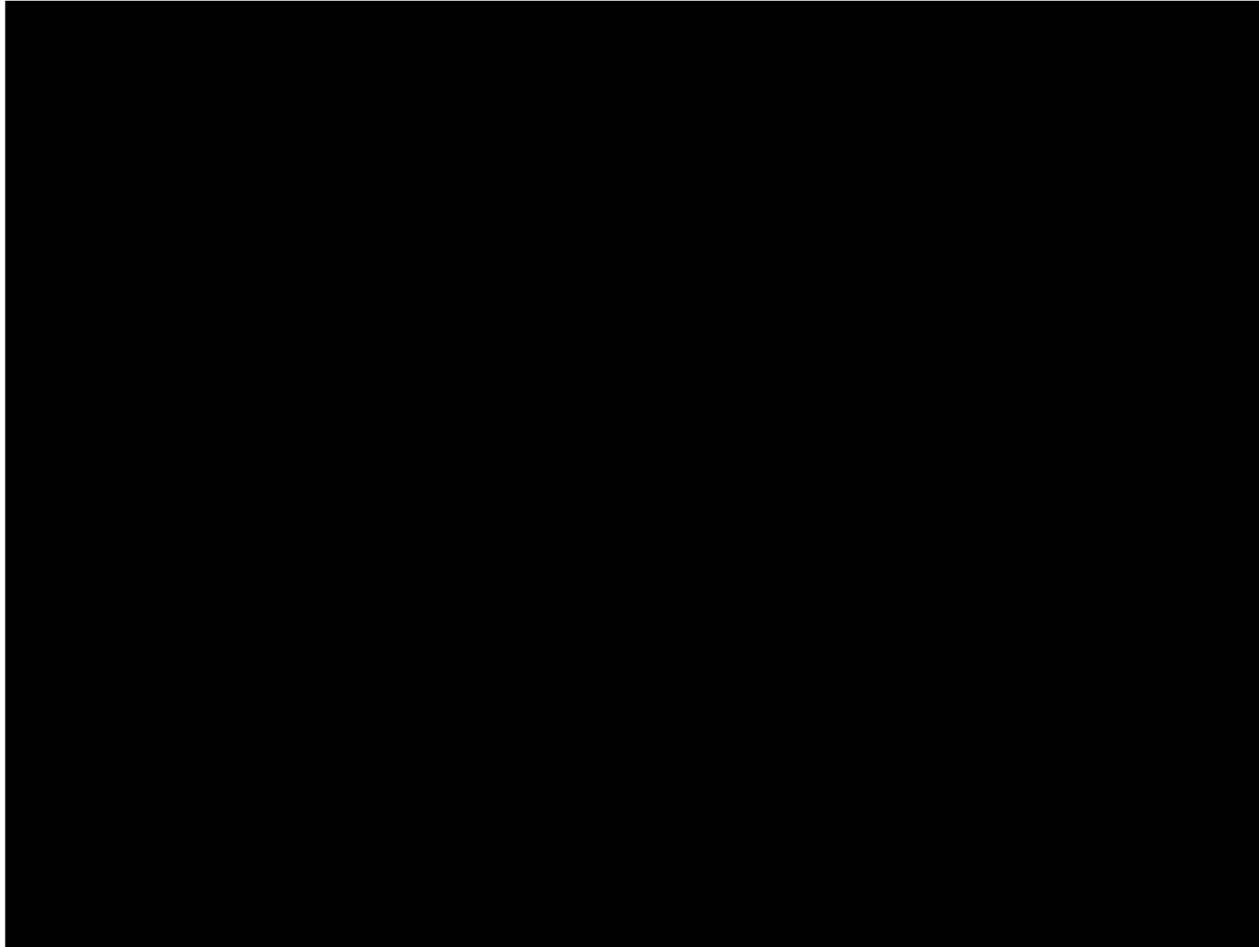
1. Fetch Userid
2. Open Email Link
3. Authenticate user with given (Userid/Password)



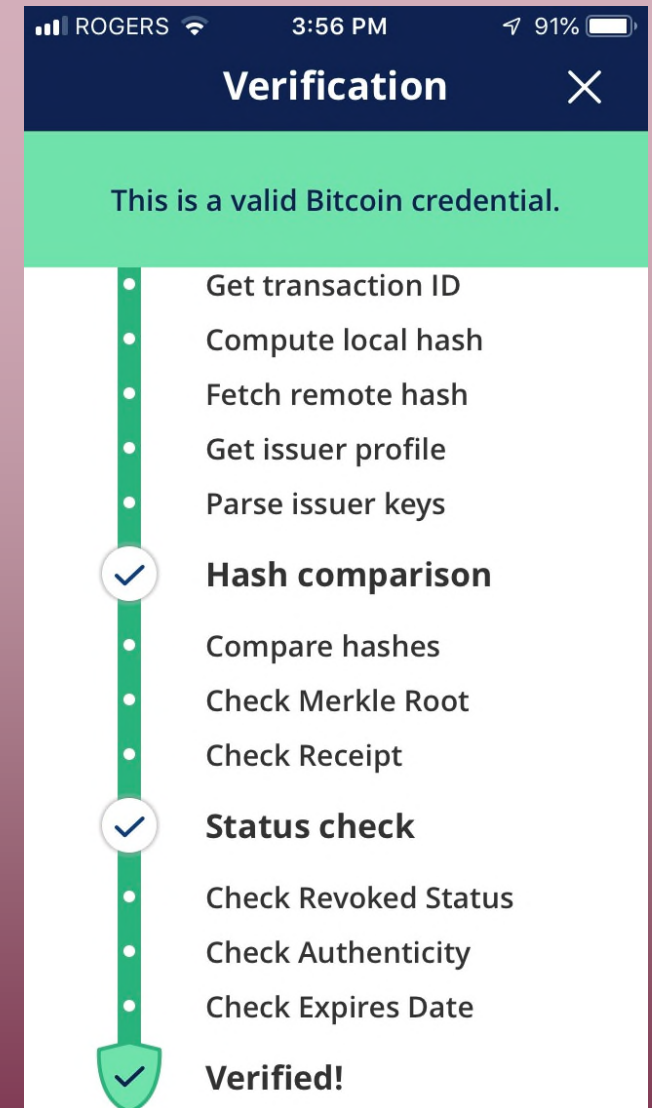
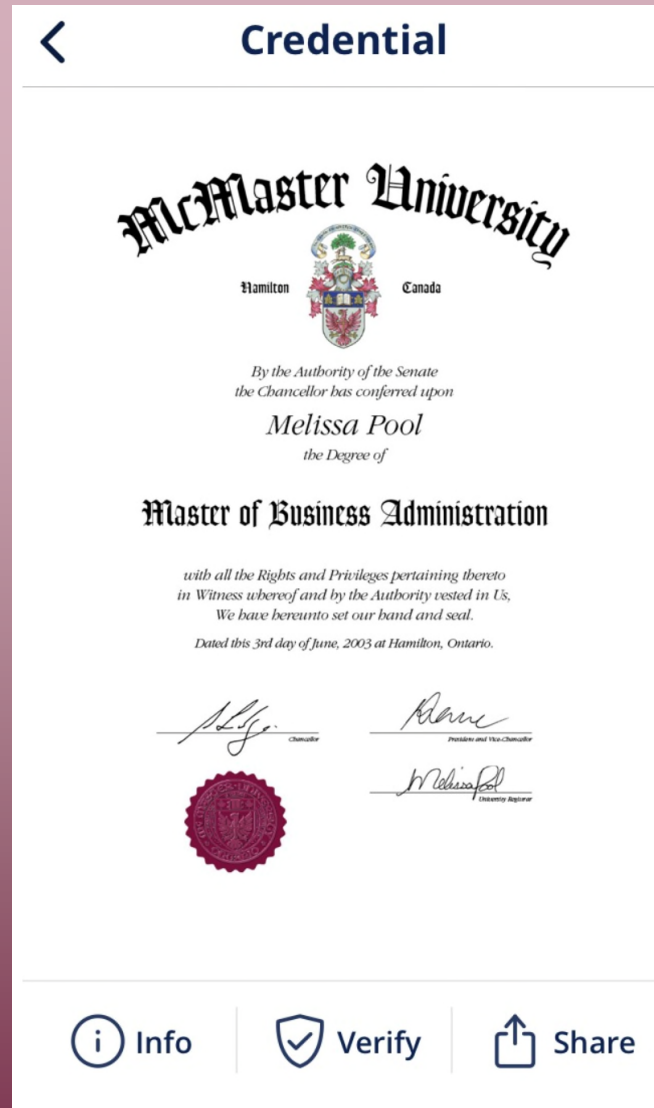
Faculty of Engineering	
MacChangers Graduate	
Employer/SGS Admissions	



<https://www.blockcerts.org/guide/>




Digital Diplomas – What?



Validation...

1, 2, 3

Digi



Master of Business Administration

Melissa Pool

Issued on Jun 2, 2003 by McMaster University

✓

✓

✓

✓

Format validation

[5 Items](#)

Hash comparison

[3 Items](#)

Status check


[5 Items](#)

Verified

This is a valid certificate, issued by McMaster University.

[View transaction link](#)

Website:
Registrar.mcmaster.ca




Digital Diplomas

Validator

This will only verify McMaster issued credentials.
Any other credentials should be verified at blockcerts.org

[Choose JSON file](#) (you can also drag & drop your file).

 BLOCKCERTS

If you have any questions about registration or validation, please email: the.Office.of.the.Registrar@mcmaster.ca



Digital Diplomas

Validator

This will only verify McMaster issued credentials.
Any other credentials should be verified at blockcerts.org



By the Authority of the Senate
the Chancellor has conferred upon
Melissa Pool
the Degree of
Master of Business Administration

*with all the Rights and Privileges pertaining thereto
to Witness whereof and by the Authority vested in Us,
We have hereunto set our hand and seal.
Dated the 3rd day of June, 2003 at Hamilton, Ontario.*



NO. 000001	ISSUE DATE	ISSUER
Melissa Pool	Jun 2, 2003	McMaster University

Verify this

So what did the students think?



**Participation
Rates: 25%**

Matt Ferguson, Valedictorian, Engineering Class of 2019

Benefits to McMaster



Better service to students



No middle layers



Opportunity for further digital credentialing



Opportunity to explore 'fluid' learning



Institutional knowledge



Create efficiencies

Benefits for Students



Easily shared



Easily verified

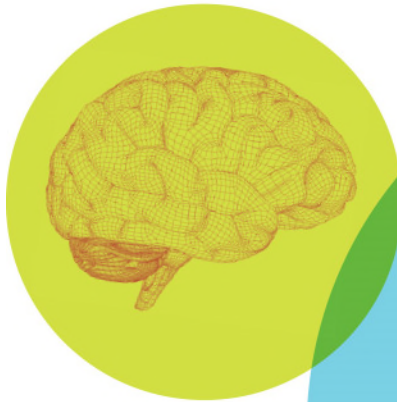


Real-time



Total independence from 'issuer'

So Where do We go from here?



Stay Tuned...



Melissa Pool
poolmc@mcmaster.ca

[a](#)