

What will they learn??

A Report on General Education Requirements atAA

What will they learn?

A Report on General Education Requirements at 100
of the Nation's Leading Colleges and Universities

American Council of Trustees and Alumni

2009

FOREWORD

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at is the simple questio9F3CF 8 0-4, 9F : @. 4F 1F% @ 700F 9/F 768 94F >6F
49F34FQ : =7F CF: E: F DCC, 7 =42F3CF?, 7CF 1B200=, 70/@, , 74 9CF3: >CF: @>0F
/O>490/F? E24CF: 702e students a 8 E2= @/ 42F49F3CF =Q >F 1F69: B 7D 2CF30CF
B47F@CF: =F 7410?8 CFSpeci c, 70EB CQA, 7@ 70B 30?30=KwwF8, 5 =F4>74@4 9F
=O@4CF0A09F60DF@ 5) ?>F 927A3E: 8; : >P4 9CF40=, ?@0E1 =0429F7 92@, 20R&JSIF
2 A0-98 09F =F34?: =100 : 9: 8 4>EB, ?308, ?4>G 9/F: 409. C

(3, 7BCF: @/ F4F 7-8 42IF AC9F >F @F?@/ 09?>900/F =, /H, >O/E647F 9/F
69: B 7D 2CF? E@. 00/F49F30E7- , 78, =60?, 7. 0E @F: 7020F 9/F@940=>440F =CF
1, 492F? F/07A0IF%; 4 >F760R&JSIE: A0-98 09F =F34?: =10740=, ?@0E8, ?308, ?4>G
, 9/10: 9: 8 4>EB, ACFO: 8 08 0CF; ?4 9>F 9FI, =F?: 18, 9DF, 8; @>0E2: F
>@= =44270E?@/ 09?>F =0E2=, /@ ?42B 43IE=0 7E2; >F49F304H69: B 7D 2CR, 9/F
08; 7 10=>F =09: ?4 42IF 19: 7F08 0/ 4/ 0E34HB 47E3, Ae signi c, 9F: 9>O@09. 0F
1 =R&JSIE: 8; 0?44090>F 9/F49: A ?4 9I

1 4230H0/@, ?4 9F@0/F? 1@ 3: 7F., /08 4E?, 9/, =/>F 2, 4>F @>4 CF =O>@CF
% /, 10E3: B0A0CF3CF =O>@CF? F/@8 -F342>F: B9F 109F: 8 0F1= 8 F4>4 CF >F F
.: 9>O@09. 0EBC9: BE3, ACB3, 7E1 =8 0H&940=>4DF IF 34, 2 F =04/097F#: - 0>F
1 , D9, =/E @. 34>F, 70/R0/@, ?4 9F DF3CF // 42F8, . 3400EB 30CF., /08 4>F
=0I@CF? F/O 4 CB3, 74F8; : =?, 97E0 A42E?@/ 09?>F? F109/F1 =F308 >0A0F @F
O/@, ?4 9F, 99: F CF01F? F 3, 9. C

!, D42F1 =F: 702CF= 96>B 43F @= 3, >42F E3: 8 CF49F4>F8; , . 7E 9F3CF1, 8 4DF
- @/201F* 0E8, 9DF, =09?>F 9/F?@/ 09?>F =CF; 09/ 42F F1 =?@0CB 43F?: : F4?7CF
? E3: BE1 =74F744B342F?8 CF30E3, /E2 : /F401 =8, ?4 9F 9F. 7@ 7

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At its best, general education is about the unity of knowledge, not about distributed knowledge. Not about spreading courses around, but about making connections between different ideas. Not about the freedom to combine random ingredients, but about joining an ancient lineage of the learned and wise. And it has a goal, too: producing an enlightened, self-reliant citizenry, pluralistic and diverse but united by democratic values.

Harry R. Lewis
Former Dean, Harvard College
WhatWillTheyLearn.com

INTRODUCTION

FAMILIES ARE PAYING MORE THAN EVER 1

ž IF: @=0F 9CF, 9F20P18, 9DF34D2-F @F IF B423040/@, 74 9F = 10>4 9, F
.: 9?, . 7GF 0=> 9, 72= B?3GF 9/FC9/@-D2H-409/>34 >GF>7F? I9, 8 CF FIOBIF FO-0GF
8 @-F CF, 4G =CFB; : =?, 9F, =>F IF3CF: 7020FC, 0-40. CF @F3CF =09: F3CF
.: =CF @; : >CF IF @F: 7020F 9/FC940=>40IF FCFQ F @; : >CF40 =9421

F, 74B3DF34FQ : =F >GF E>B; 7F @>74 9F - : @F? /, DdE?@/09?>H 3, 7B47F
?3CFQ =90SpeciF, 70B 4F?3CF2, 4F?3CF69: B 70/2CF 9/E647F?3CF900/F? F
.: 8; 0CF9F3CF27 -, 78, =60, 7. 0GF / F @H9, 74 9F3: @23?1@70F 9/F CF4107 92F
70 =90=>CF , 9DF: 7020E2@4 0F 9/E, 9642ED>08 >B Q >@CF9>74@4 9>F =0>2CF
, 9/FQ @, 74 9GF @H9: E2@4CF3, >F7: 60/F 7B3, 7students are >actually required to
learnF F4FQ : =GF 7 92B 43F4F: 8; , 94 9B0 >40FWhatWill eyLearn.comG
, >B >F? F: F>F3, 7

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WHY IS A CORE CURRICULUM IMPORTANT?

TO ANSWER THIS QUESTION, :

/9. =Q >D27E3CF/08, 9/>F IF30E8 : /0-9B: =61 = C90 O>4, 7CF>F@ 3EFF =, /F
2090, 70/@, 74 9IF E@ACE: 8 8 4>4 90/F IFCF : 910-09. CF : , =/F 9/F 730>F
, >60/IC8 ; 7 DO>B3, 7F30CF 07ACE =CFAC-DF8 ; : =, 97F, >4E647F: F5 - E@. O>F
, 8: 9290BIB: =61 = C8 08 - O>R 4. 7/ 42E2, /@ 70F If @HD) =F: 7020IF
... =/42F? F30CFQ : =GsignIF, 97908 - O>F 108 ; 7 DO>F747B=492E0 / 42F
.: 8 ; =C09>4 90B, 7308, 74 >E. 49. 0F 9/FI =029F792@ 2CF >AC-DF8 ; : =, 97F
: =F8 ; : =, 97F, >4 E647F 9/F69. B 7/ 20IF Q 9B340E0BF IF30E8 ; 7 DO>F
>@-ADD/F 07ACE: @HD) =F: 7020E2, /@ 70F3, AC6C 07097F69. B 7/ 2CF =E647F
4E 9DE IF30CF =Q >F

F4900/FI =E090, 769: B 7/ 20F4FI@730F@/O>: =0/F DF30FI. 7F3, 7F30F
~ @Q CF IL, - : =S?, 7474 >FQ : =7F3, 7F @-097B: =60>B3: 7F 9F AO, 2CF IfwEF
/4I0-0975 - >F 0B009F3CF 20F IfeF 9/FI yI^fi - F/O> =4 74 978, DA =IF @F30F
>647F 9/F69: B 7/ 20F3, 7F: 8 CF= 8 F E: 74E090, 70/@, 74 910<@4 E2, /@ 70F
with the IC4 44D? F/, ; 7F? F F 3, 9242E5 - B8, =60IF

9: 7307B ; : tant benefE IF F: 30-09F: =CF @=4@78 F47F- 44D?. FI >0F
, 60: 8 8: 9F: 9AO>, 74 9IF 8: 92E?@/09>E: 990 742F7308 B8 : =CF 7 >0DB 43F
1. @7E 9/IB 43IQ. 3E 730F >F : 78 - 4R: 940>4D9. 70F 9F7B0 >40E
.: 8 8: 9E2090, 70/@, 74 9F: @>06 =Q 7CF F: 8 8 @4IE IF97070 ?@ 7/4: : @>CF
73, 7E: 47E A0F CD 9/F3CF 7>: : 8 F 9/F0? F: =8 4. =D@F 442E3, 74E 9/F3CF
8, 9DE, 1 >F3, 7E@= @/F3CF, 8 ; @Ip^I 43: @F34E: 8 8: 9F: 9AO>, 74 90F
73CF, 8 ; @F46F 0: 8 42F0>FF: 8 8 @4IE B: 3: 7=>F 9/B8 : =CF F 45 470/F
58 - 7E IF4: 770/E2 = @ >F

4. 77E 78: =CF 9/B8 : =CF?@/09>B 43FA =4 @F0A07E IF =Q, =0'90>E2 F? F
.: 7020E F: 30-09F: =CF @=4@78 F IO>F 9F@9, =, 7070/IB, DE: =F308 F? F
8, 6CF30F?, 9>44 9FI: 8 B423E. 3: 7F: B8 : =CF /A 9. 0'E?@/IF 7F F8 CB309F
=C8 0'4 74 9F4E E0-4 @F4>CFI. 42E8, 9DE: 7020E30E2090, 70/@, 74 9F
. @=4@78 F = A/0F 9F ; ; : =@4IE? F: 70F73CF, >4E647F 9/F69. B 7/ 2CF
>@/097B 47900/IF 4>7F 9/E0 : 9/HD) =E090, 70/@, 74 9F: @>0F an F749F
, 9DE2 ; >4E F?@/097E =0A @70/@, 74 9F 9/F @7I@ : 9IC4742E69. B 7/ 2CF
/9B423E. 3: 7E?@/0978, DE3, ACB, /F FCC? : : 6F9? = /@ 74 9F? F 8 0-4, 9F
34? =IF @F 7F3CF: 7020F0A07E30CF, 9F /A 9. CF? F =B, =DF: . @8 097F 9/F3CF

WHAT DOES A GOOD CORE CURRICULUM INCLUDE

A GENERAL EDUCATION CURRICULUM NEEDS TO GIVE STUDENTS

0>09?4 7E647E 9/169: B 70/20F@: 9IB343F?3CF0>F 1F?304H0/@, ?4 9R 9: ?F: F
8 09?4 9F?304H1@?@C08; 7 D8 09R /Q 09/ >F FO-0F4E@0D9: F 906: =0 ?IB, DF
: 1F: 42F?34HF9/00/00C4?42F8: /07FA =DB40DIF/B: F 1F?30F8: >IB07H69: B9F
2090, 70/@, ?4 9E = 2, 8 >PDF?3CF: @?>H0E =IC 8; 70E?3: >CF ? : 78 - 4F
&940>4DF 9/F?30R&940>4DF 1F 34, 2 C0<@4CF?@/09?>F: E?@/DF 7>>4IB: =6F
4E 34? >; 30EB4?: =DF 9/F40, ?@>CF 9/E=, ; ; 70B43E2-Q 7F?34960>E@ 3E >F
=4?: 700#: @>Q @G 9/HI, 9T?F

S@ 3E = 2, 8 >F =CF@/: @ 70/ 7E 3, 7092422E: 97097H43G 9/F: 30-09?H00F?304F
; , =?4@?>F; ; , =, . 3F4F/4E @7F? F: 8; , =0B43F ?30F: 7020F 9/F@940>4DIF
. : =F?3CF @; : >0F 1F?34E?@/DF ' % F?30-01 =CF@048 0 >@>0F?3, 7F 77 BF F7 =2CF
9@8 - 0F 1F/40>CF = 2, 8 >F? F CF: 8; , =0F 2 4>F: ?3 specIF E? 9/, =/ >F 9/F
Q. 3E ?30F, =H: 8 E@220>42F?3, 7F?30-0F4F 97E 90B, DF: F @4F F F: =CF =F 9CF
B, DF: E@/20F?3CF=2 =F 1F E: 7020>E2090, 70/@, ?4 9E0<@408 09?>E ' % DF
; @; : >CF? F = A4 CF, =09?>E?@/09?>E?@>700G 9/F: 702CF /8 44?; ? =>IB43F F
>, =?42E: 47H =IC, 8 442F?3CF. ?@ F: 9709F 1F @=4@7IF

/9E: 9>40>42B3, 7E3: @/F 0F0. 70/0F0E IB07H: @/0F: 7020F0/@, ?4 9G
8: >F 0; 70B47E 2-0CF3, 7F?3CF =8, =DE, 74H =E?@/09?>F? F0 =9E =44, 7B, - 4F
: 1B 40/IF FO-CE647E =CF9: 7F, @23749E 9DE 9CF 7 >G @F =CF @47E 9/F@ E90F
: A0F?4B CF =E?@/09?>B=0?70B43E2-Q 7F?34960>F0F8, 9D 107 >F 169: B 70/20F F
90 0>, =DF =00<@44CF =E?@/D42F?30F3@8, 9IB: =7F4F 9E - 44DF: E: 8 8 @4, ?CF
4F41F FO-01 =0E?4H0>09?4 7F3, 7E?@/09?>F 0: 8 CF =0 F 497F0F?304F0 /422E
B =4422E 9/E; Q 6422E = 8 F?34G4H 77 B >F?3, 7E34230H0/@, ?4 9E3: @/F 7: F
49? = /@ CF?@/09?>F? E2-Q 7F40, =DB: =6H? : F 97DF: 0F?30E?@/DF 10C 0709F

710; 7@CF; Q 6F? F3CF =Q /?3F IF3@8, 910C, 0=4D9. CF @?F4F 7: F9. @7, 70F3CF
3, - 4F IFQ /42F 9/F=10 74 9F?3, 7?@/09?B 47@CF: F3CF0>F IF304F740>F
/918, 91F, >0CF: 7020B, =6F3CF7>7F4B CF?@/09?B 47FQ /F : : 6F3CF: 19: 7F
. 3: >CF?308 >7A0@B, 642F40A0918 : =CF =0>42F? F 10F308 F 910=4 342F
0/@, 74 9, 70C, 0=4D9. CF

9: 73040C 0709F? : 7F: F@/0=>, 9/42F3CF =Q /?3F IF3@8, 910C, 0=4D9. CF4F3CF
>@/1F 1F 1F: =029F7 92@ 201E, 92@ 201F >F F/40 7F=10 74 9F 1F?3: @237F = A4/O F
27B; >0F9? F30B, D49B 34 3E Q ; 7E 1F/410=09F @7@=0 F 0: 04CF?30B: =7 IF
//44 9, 70F9F 9F9. =Q >42F4970=: 990 70/1B: =7 008 ; 7 D0=F3437E =4CF
.: 8 ; 009. D49F 1F: =029F7 92@ 201

73: @23169: B 7/2CF - : @F 1A, =41E 1F @7@=0 F4HA 7@ - 70B423040/@, 74 9F9F F
100E: . 4074F 7: F3CF0/@, 74 9F 1F 44E09>F0=01 =0CF40>0974 7?3, 7F: 7020F
, 9/1@940=>40109=@CF?3, 7?@/09?B, ACF 1B: =642169: B 7/2CF 1F3CF34?: =F
, 9/1E A0=942F9>74@4 9>F 1F34F: @9?1F F: 8 ; =0309>40@/0=>, 9/42F 1F
8 0=4, 919, 74 9, 734? =1F 9/1E A0=98 09F?3, 7F9. 7@/0F: ?3F 3= 9: 7 24, 7F
, 9/F308, 74F =Q /?3F4F9/4; 09>, - 7E: F3CF1 =8, 74 9F 1F 44E09>F 9/1F: F3CF
; =0=0A 74 9F 1F @F10CF9>74@74 9>F

f@>F >F?@/D92F3CF3@8, 91B: =7 F0=@40F7 92@ 201F?@/D92F3CF9, ?@, 7B: =7 F
=0=@4018, ?308, 74 >F 9/E: 467 I

; => 1, Ü 9E 1F: 4 HA 74 9F 1F
3 94.: 4>0F
; =a 4 /~
=@— 9w f@r , F

Q : 9: 8 4F : 7 4 D B, ACF 9F?3CF7A0-F 1F 7F 44EC9>CBO O>>4, 7CFD>?=@ 74 9FDF, >4F
Q : 9: 8 4F =D. 4 7D-FI =F01 =8 O/F 44EC9>34 IF

ž 1F : @>0G =208 09?F, 9F 08, /CF: =F0. 70/ 42F 9DF908 - 0F 1F // 44 9, 7? ; 4>G
>@ 3F >F =70B @4G >D 3: 7 20G: . 4 7 20G 347 >; 30G =B: =7F34? =DF @FF: =CF
. @=4@708 F3, 7I, 4Z? FQ<408 : >F 1F?3CF0A09F6CF@ 5D ?F @790/F9F?34F
=Q : =B 479: F, 74 1DF3CF, >4F/08, 9/>F 1E090=, 70/@, 74 9IF0A0=, 74D>74@4 9>F
2 F- : ACF 9/F 0D 9/F?34B8 : /OR, 9/IB 30=0A0F: >>4 70B09: 7CF3, 7F30CF: R
- @F 78, 9DF ?30>G?@ 09?F@9F3CF46F 1F : 8; 70?42F?3047/ 02=00=IB 43F 9ZF F
; , ? 3B: =6F 1F01 =8, 74 90D: 7F3CF: 30=097@9/0>>?, 9/ 42F?3, 7F 3, =. 70=40F 9F
O/@, 70/F 0>: 9IF

HOW ARE SUBJECT AREAS DEFINED?

ž IF: @>OF 8; ZB, A92EQ<408 09?F, 70/EL 40, ?@CF =F , ?308, ?4>F: 019: 7F
4H. 78 0 9F3, 7E?@/09?B 4F. ?@ 7ZF?@/DF3: >CF@ 5 ?>DF 18, 990F;; =; =4 7CF
1 =2090, 70/@, ?4 9F @; : >OF >F =0A @ZD9: 70/G 4?4 @?4 9EQ<408 09?F
: 918: >F, 8; @OF? /, DF 0-8 4E?@/09?F? F 46H= 8 F 1B 4CF, 92CF IF: @>OF
?3, 7F 109F =09, = E1 : 940/<79, =/CF : F 4 /, 10=F : /, 3) ??> 19: 70H/<H =0

ACTA'S STUDY INCLUDES A WIDE RANGE OF INSTITUTIONS, ~~1= 8 F~~
~~7=20F @ 71F@940=40~~

': 702CF = . 7 4 F304F/O 4, 74 9F? F3CF =9. 4 7DF 9/E2 , 7E IF4 O, 70/@ , 74 9CF
- @F9F1 . 7E, ACF4?@ 7D9: FQ<@408 O9?F* F O>7D 9R&940>41E = 8 40F
73, 74P2090, 70/@ , 74 9F @-4 @78 IB 47E 7 BFI-O-38 O9F 9/E ; 3: 8: -OF? F
CC, O=49. CF?3CFd@7F 48 O9>4 9F IF9?070 ?@ F =Q /?3FA, 7? F F4 O, 70/@ , 74 9If
1 : BOAOE?@/O9?F, 9F D , >E, =/E. 49. CF: @>OF9F1 A =F IF 7>OF@ 3F >HCF
! >D 3: 7 2DE IF#Q /42F =d 3D4>Ft =F @>CF =O4 O9?Ip 9/F3CF, 9F A 4F
- = , /E@ADE IF34? =DF 9/F4O, ?@CF 7: 2030=H 43E@ 3E: @>OF >E" A=D, DF
.: =8 >F IF#O4?, 9. QF 9/F2 = T 4?: =DF 9/F3CF =:79/F = B9>? 9CF
" @ =Dp*F9/OO/G-wE O= O9F IF3CF: H, 70/EL 4 O, F =>F : 7020E, ACFB: F =F
10BOE IF3CF: @>CFQ<@408 O9?IBCF 9, 7EO/IF#, ?3O4?3, 9F IO=42F F=@F4 O, F
O/@ , 74 9F/O=290/F. F4 O, 7CF3O8 4/OE3O=CF: 3: 7E =CFDIO IO 7FO A42F4@ F
to students to E@CF @IB3, 7F3OEB 47900/R , 9/FI, 8 40E =CF, D92F/O =DFI =F
?3CF =A42CF IF F: HHD @>7E @-4 @78 I

ž ?3CF: 7020F 9/FQ40>40>E2ACF3CF; ; Q = 9. CF IFQ<@408 O9?CF @F3CF7 92F
74E IO 7D 74E: @>OF?3, 7E, 9F CF, 609F09/O=>F3CF9: 74 9F IF E-Q<@408 O9?F
8 Q 94270>IF?, 91 =/R&940>41E1 =OC 8; 70E 7D 20F? F4D? = /O CF?@/O9?F
? F3O8 , 5 =E: . 4 7E34? =4, 7E @7@, 7E 9/F9?070 ?@ T1 = OF?3, 7E3 ; CF3CF
.: 9?8 ; : = =DB: =7CF @F3O9F 77 ws students to full7F304F 8 O4, 9F @7@OF
=Q<@408 O9?IB 43E: @>OF@ 3E >E1 4B: n 7FCZ CB#O9, 4>, 9. CF IF F , B, 4 9F
l @4, 7E, /44 9If

7Ež: =3BO>70-9R&940>41E?3CF: =8, 7E?@/4DFQ<@408 O9R , F = , /O49, 8 CF
1 =B, 73O8, 74>R . , 9F O8 OIB 43E: @>OF 9E8 @4F3O =DF =F7 A4F42@4?4 J*F
9/F F F : =907R&940>41E?3CF 40, ?@CF 9/F3CF =>F 4?4 @4 9F, 702 =DF
, 77 B>E?@/O9?F? F, 6CF 9D342F1= 8 E9?0-9, 74 9, 7E 48 F IF3CF, ~w*F? F
d @4F 9/F 3: =O 2=; 3Dp*F(3, 70A?F3O8 O4E IF3O=CF: @>OF3O=CF: E9: F
; = A4CF3CF = , /FI @/, 74 9F IF69: B 7D 20F?3, 7E2090, 70/@ , 74 9F >F E@7E @23F
? FQ<@4O

HOW WELL ARE INSTITUTIONS PROVIDING
A





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GRADE: F

Amherst College	\$37,640
Bowdoin College	\$38,190
Brown University	\$37,718
University of California-Berkeley	\$8,932 / \$29,540
Colgate University	\$39,545
Cornell University	\$36,504
Grinnell College	\$31,098
Hamilton College	\$38,600
Haverford College	\$37,525
Johns Hopkins University	\$37,700
Middlebury College	\$49,210*
Northwestern University	\$37,125
Oberlin College	\$38,280
University of Rhode Island	\$8,678 / \$24,776
Rice University	\$28,996
Rutgers University-New Brunswick	\$11,540 / \$21,488
Smith College	\$49,210*

Today's anything-goes curriculum means students are left unprepared to succeed in the global economy.

Economics has never been more important, but hardly any universities require it.

° O; 40P4>F8 ; : =? , 9. CF9F E27 - , 7E0/10 : 9: 8 DE , >410 : 9: 8 4 >P4EQ @40/F F
: 9TFB: F @F F?3CFxvwF9>?4@?4 9>F @ADD/ F?3CF&940>4DF IF 7>6 H , 4 , 96>F
, 9/F?3CF&940/IS? , 70F 47, =DF . , /08 DS(O>F : 4?IFFOCFB: F9>?4@?4 9>F
>3: BF3, F F?@DF =B, =/H? : 642E2090, 70/@ , ?4 9F = 2, 8 F9. 7@/OF : ?3F?3CF
? , /44 9, F 9/F?3CF99: A ?4CF

· : 7020F 9/F@940>440F: 9>, 9?7F = 10>F3, F?3CFE006F? F: 9>?@ F F
. @=4 @78 F3, 7B 47E // =O>F?3CF , =?4 @7 =900 >F F?@/09>F9F?3CFyx>F 09?@HF
/E008 >F7 24, 7E309CF F9. 7@/CF?3CF?@/DF 10 : 9: 8 4 >R , F? ; 4F , =?4 @7 =7F
>@40/F? F: 9?08 ; : = =DF1CR B 4349F F: =CF @=4 @78 F3, F 7: F0; 0 ?F?3CF?8 CH
3: 9: =0/F? , /44 9>F F?3CF4 0, F =?I

Informed qrmed35001B002C> 4.6002F0802C>-5<001B>5<001E0023002E00230029>5<

' 5 . "ð Ð à Ð À) , 05) , - P . à P ° P 5 P Ð P ° À

· ð -P5& # ÐP àP # Bð À À P à à P à ð P P ð à " ° À Ð à ° € à ´

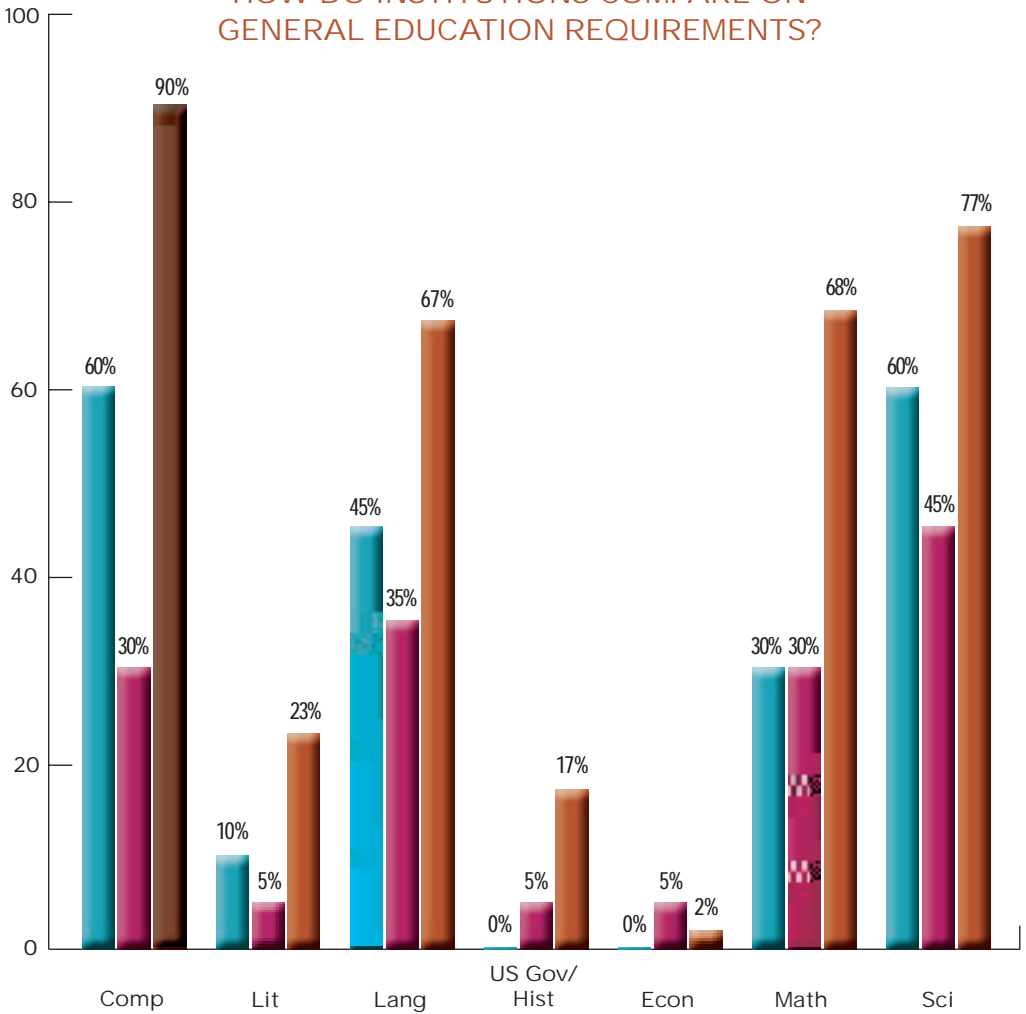
*- * ° à P à ð . - 8*

P à(sP / , ,

(5# Ð

Understanding math and science is essential to survival in the modern world, not to mention global competitiveness, but our colleges and universities are doing little to advance that understanding.^{FT}

HOW DO INSTITUTIONS COMPARE ON GENERAL EDUCATION REQUIREMENTS?



Total # of 100 Schools Surveyed
Requiring Each Core Subject

Composition	72
Literature	17
Foreign Language	56
U.S. Government or History	11
Economics	2
Mathematics	53
Natural or Physical Science	67

National Universities

Liberal Arts Colleges

State Flagships

COLLEGES MUST SHOW THEY ARE CAPABLE IF . . . /08 4F/4: 4 70CFTFCF /4F@CF =, DE IF: @>OF3, 79: BF, >>OF >E2090, 70/@, ?4 9F4F@, .. 0 ? - 7F4F 8 0-4, 9E2, /@ ?0>CC, 0 7F: F: 8; 000F0 ?407D4DF3CE27 -, 78, =60, 7. 0H 0-CF 4E3: BE3CF4@ ?4 9E, 9F CF08 0/4/I

Colleges and universities 18 @78, 6CF8; = A02E2090, 70/@, ?4 9F 9F@-209F ; =4 =4DFF0-CF =CF 8; 7E ; ; : =?@94DF? F: E: IF9E F0 097F?@ DE, F 0= 09F : 1F0?4@4 9-E@-ADD/E, 4F3CDB0-CF4DF3CF = . 0>F 18: /4D02E =F >>0>02F ?304E = 2= 8 >Y EBoards of trustees 0DE: 7- : = ?4 9EB 43E1 . @7D8 08 - 0>E3: @7F 4>4F 9E F: @>CF 1E?@/DF3, 7B 4700>-CF?@/09?F0 =9F3CF?3402-F3CD900/F ? 169: B1FF 4E8 0 9>E2090, 70/@, ?4 9E @-4 @7F 3, = . 70-ED/F D8 0 94021@F =0-@408 09?G#E f 2 F 1 ? F F IF30 F IF109ce =H ~ 09

GENERAL EDUCATION REQUIREMENTS AT
TOP 20 LIBERAL ARTS COLLEGES*
(in alphabetical order)

US Gov/

* Top 20 Liberal Arts Colleges according to U.S. News & World Report 2009 college rankings. Harvey Mudd College not included in this listing because it is a science and engineering school.

GENERAL EDUCATION REQUIREMENTS AT
60 STATE FLAGSHIP INSTITUTIONS*

[Redacted]

[Redacted]

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[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]



~ 07BEBCC 74CF >F;; 7A, - 70B3DBCF/4E9: F: @9F >F: =0

Bowdoin College: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F : 8 ; : \times 4 9 F 0 , @CF?3CF \text{ 4-} \mathbb{H} 0 \text{ F}$
 $S08 4, \Rightarrow F : F : F . @JC \text{ 7-} 407F 9B \text{ -} 492I\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ , } \{308, \{4 \text{ F}$
 $- 0 , @CF?@/O9?B, D@CF. 49. CF \text{ -} 0 : 9 : 8 4 \text{ F} : @\Rightarrow O? F, \{41DF3CF$
 $1 \text{ , } \{308, \{4, \mathbb{F} : 8 ; @, \{4 9, \mathbb{F} \text{ -} \{5?, \{4\{4, \mathbb{F} \# 0 \times 942F \text{ 4?} 4 @4 9F0 \text{ -} 408 O9F$
 $S?@/O9?B, DF \{ F A 4B, \{308, \{4 \text{ F} 0 , @CF4F4F 70/F49? F30\mathbb{Z} , \{?, F$
 $S. 49. O? 9/F \text{ , } \{308, \{4 \text{ F} 444 9F0 \text{ -} 408 O9$

University of California-Berkeley: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F : -029H, 92@ 2CF$
 $- 0 , @CF 97F0 : 9/H08 0?0F : 8 ; 0?9. D4F0 \text{ -} 40/I\mathbb{Z} : F \rightarrow \mathbb{Z} : F$
 $\&JSIF : A0-98 O9F \text{ -} 4? \text{ -} DF 0 , @CF?3CF 8 0-4, 9F 4? \text{ -} DF 9/F9 \text{ -} 4@4 9 \text{ F}$
 $\text{ -} 0 \text{ -} 408 O9B, y \text{ be satisf} 0/F D343F. 3 : \mathbb{F} : @\Rightarrow CB : \text{ -} 6F \text{ -} F9, = BE : @\Rightarrow OI\mathbb{Z} : F$
 $\text{ . -} 0 \text{ -} 4E2409F \text{ -} F \text{ , } \{308, \{4 \text{ F} 0 , @CF?@/O9?F, 9F0 \text{ -} F @F 1F3CF @ 9?4, \{4CF$
 $\# 0 \times 942F0 \text{ -} 408 O9F3 \text{ -} @23F \text{ \%} F : \text{ -} OI\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ -} \mathbb{Z} , \{?, F \text{ F}$
 $! 3D4, \mathbb{F}. 49. CF 0 , @CF@ 3F : @\Rightarrow O? \text{ -} \{ (4/79/F 4CF. 49. O?B, DF, \{41DF$
 $\{3CF 3D4, \mathbb{F}. 49. CF0 \text{ -} 408 O9F 9/F_0 490 \text{ -} F \text{ -} H 40F 3D4, F / , ; ? \{4 9 \text{ F?} F$
 $\sim C0 \text{ -} 4Q?B, y \text{ full} F?3CF 4 7 24, \mathbb{F}. 49. CF0 \text{ -} 408 O9$

University of California-Los Angeles: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ -} \&JSIF : A0-98 O9F$
 $: \text{ -} 4? \text{ -} DF 0 , @CF?3CF 8 0-4, 9F 4? \text{ -} DF 9/F9 \text{ -} 4@4 9 \text{ F0 -} 408 O9B, DF CF$
 $\text{ satisf} 0/F D343F. 3 : \mathbb{F} : @\Rightarrow CB : \text{ -} 6F \text{ -} F DF : @\Rightarrow O?9, = B?F0F. ; ; OI\mathbb{Z} : F \rightarrow \mathbb{Z} : F$
 $1 \text{ -} F \text{ , } \{308, \{4 \text{ F} 0 , @CF \text{ \%} F : \text{ -} O?B, D008 ; F?@/O9?F \text{ -} 8 F3CF @ 9?4, \{4CF$
 $\# 0 \times 942F0 \text{ -} 408 O9$

Carleton College: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ , } \{308, \{4 \text{ F} \text{ -} \mathbb{Z} , \{?, F \text{ -} 3D4, F$
 $S. 49. CF 0 , @CF?3CFB : F @ 5 \{ F \text{ -} CF 70/F49? F3CF \text{ , } \{308, \{4 \text{ F} 9/F\mathbb{Z} , \{?, F$
 $S. 49. O?0 \text{ -} 408 O9F?3@F?@/O9?B, D00 \mathbb{F} 9CF 9/F9 : F?3CF \{30$

Carnegie Mellon University: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F : -029H, 92@ 2CF 0 , @CF$
 $\{3CF : 8 8 @4, \{42H, 92@ 2CF 9/F90 \text{ -} 0, \{4 9 \text{ F0 -} 408 O9F 77 B \text{ -} F?@/O9?F$
 $? F 3 : \text{ -} CF 0B009F90 \text{ -} 8 0/4?CF 92@ 2CF \text{ -} 0F 49. DF \text{ -} @ 3F : @\Rightarrow O? \text{ F}$
 $\sigma 9? \text{ /} @ \{4 9 \text{ F?} F 0 \text{ -} 1 \text{ -} 8, 9. CF0 \text{ -} DF \text{ -} F1 \text{ , } 5 \text{ -} F : \text{ -} 6F 1F : /0-9F : 0 \text{ -} D? \mathbb{Z} : F$
 $\text{ . -} 0 \text{ -} 4E2409F \text{ -} \&JSIF : A0-98 O9F \text{ -} 4? \text{ -} DF 0 , @CF?3CF0 \text{ -} 40/F34? \text{ -} DF : @\Rightarrow O?$

Harvard University: $\tilde{E}Z : F=O/4E2409F1 =F : =029EL, 92@ 2CF 0, @CF 9ZF 9CF$
 $DQ =F IF F792@ 2CF4FO<@4O/IEZ : F=O/4E2409F1 =R&ISIF : A0-98 097F =F 4? =DF$
 $- 0, @CF?3CR&940/IS?, ?OFDF?3CF : =7FO<@408 097F48, /CF@ F 1E943CF$
 $.. : @>OIEZ : F=O/4E2409F1 =F , ?308, ?4>F 0, @CF: @>OIB43F4?7CF: 702CH$
 $7A078, ?3E: 9?09R >@ 3E >O, ?F 3, 9. 0CF F: @>CF 470/F9F4>F/O: =4 ?4 9E >F$
 $@: 78, ?308, ?4, 7DF/08, 9/42R 8, y be used to full?F3CF 8; 44, F 9/F$
 $l , ?308, ?4, 7#Q > 942FO<@408 097F$

Haverford College: $\tilde{E}Z : F=O/4E2409F1 =F : 8; : >4 9F 0, @CF?30B=492F$

Iowa State University: $\tilde{E} : F \rightarrow 4E2A09E \neq : -029EL, 92@ 2CF 0, @CF 97E 9CF$
 $DQ \neq F 792@ 2CF?@/DF4E0<@40/1$

Johns Hopkins University: $\tilde{E} : F \rightarrow 4E2A09E \neq : 8 ; : >A4 9F 0, @CF 97E$
 $B=492H9?09>ACF? ; 4E : @>0P9E E, 92CF 1F/4, 4 790F =CF<@40/1 \tilde{E} : F \rightarrow 4E$
 $2A09E \neq : -029EL, 92@ 2CF 0, @CF 7F 7F/Q, =8 09?P9E \neq F 9/IS. 49. 0F$
 $=0<@4CF9?0-8 0/4 ?CF0A7 92@ 2CF?@/DE \tilde{E} : F \rightarrow 4E2A09E \neq , ?308, ?4 >F$
 $: \neq \tilde{E}, ?@, F \neq 3D4, TS. 49. CF 0, @CF3@8, 944F 9/E. . 4 T: 49. 0E8, 5 \Rightarrow F$
 $, =CF 77 B0/F? F 3 : >CF 9DEyF =0/4 P9E?3CF @ 9?4, ?40E \tilde{E}, ?@, TS. 49. 0E 9/F$
 $\sim 92400-42E., /08 4F =0 >F$

University of Kansas: $\tilde{E} : F \rightarrow 4E2A09E \neq \&ISIF : A0-98 09E \neq 4? \neq F 0, @CF$
 $?3CF 4? =4, TS?@/4FE0<4ement does not speEi, 7E0<@4CF?3CF?@/DE 1&ISIF$
 $34? \neq D$

Kansas State University: $\tilde{E} : F \rightarrow 4E2A09E \neq \&ISIF : A0-98 09E \neq 4? \neq F$
 $-0, @0B34CF?3CF 0?0-9E 0-4, 2CF<@408 09E8, >8 0E: 74F 10-42CF$
 $>@/09?E8, y ful F7E?3CF<@408 09E8 43E9, = BE? ; 4, F : @>0F$

University of Kentucky: $\tilde{E} : F \rightarrow 4E2A09E \neq \tilde{E}, ?@, F \neq 3D4, TS. 49. CF 0, @CF$
 $?3CF \tilde{E}, ?@, TS. 49. 0F<@408 09E8, y be satis0/F DE : @>0F = 8 F 9?3 = ; : 7 2DE$
 $: : 74, T: 49. 0E 9/F >D 3: 7 2DE 9/F 3CF : 702EL, - : = ? \neq F 407E : =6F$
 $\sim C 0-49. CF<@408 09E8. @/0F : @>0F = 8 F 3CF : . 4 T: 49. 0E$

University of Maryland: $\tilde{E} : F \rightarrow 4E2A09E \neq L 40, ?@CF 0, @CF?3CF L 40, ?@CF$
 $; : =4 9E 1F3CF @8, 944F 9/F \neq FE0<@408 09E8, y be ful F70/1B 43E : @>0F$
 $9, = BE9E : ; 0E \tilde{E} : F \rightarrow 4E2A09E \neq , ?308, ?4 >F 0, @CF?3CF @/, 8 09? F$
 $S?@/4E , ?308, ?4 >F0<@408 09E8, y be satis0/F DE?3CF %@9/F 3CF$
 $l , ?308, ?4 >F 9/F : =8, T#Q > 942F 4?4 @4A5?@/4FE0<@408 09E8, DE CF$
 $satis0/F DE@ 3F : @>0F >E 347 > ; 3DE 9/F : 8 ; @0>1F 9/Ed ; ; >F 9/E ; ; F$
 $&>Qp$

University of Massachusetts-Amherst: $\tilde{E} : F \rightarrow 4E2A09E \neq , ?308, ?4 >F$
 $-0, @CF?3CF , >4E , ?3E647FE0<@408 09E8, y be satis0/F DE343E. 3 : 7H0A7$
 $8, ?3E 9/E @ 3E : @>0F >09? = /@ ?4 9E? EL 42@4?4F FO =DE 9/Ed = - 78 F$
 $S: 7A2B 43E?3CF 9?0-90?E8, y ful F7E?3CF 9, D4, T#Q > 942FE0<@408 09E8$

University of Michigan: $\tilde{E} : F \rightarrow 4E2A09E \neq , ?308, ?4 >F 0, @CF?@/09?F$
 $8, y use science courses to H7E?3CF @ 9?4, ?40E#Q > 942FE0<@408 09E8 \tilde{E} : F$
 $=0/4E2A09E \neq \tilde{E}, ?@, F \neq 3D4, TS. 49. CF 0, @CF@ 3E : @>0F >E 4 7 2DE$

1 =Ė: 9> 4974>F 9/Fd 3D4>F If @4p8, Df, 74IDF30Ė, 7@, 7f. 49. Cf /4>4 @4 9F0<@408 097

Michigan State University:F9F0 097DD =>F S&I9 ? - 7F, 40/F?, 9/, =>F: F ?3, F 97F: 702CH0A078, ?308, 74>F: @>0F, 74IDF30F @ 9?4, 740F# Q > 9492F -0<@408 097

Middlebury College:Ė: F=0/ 4E2409Ft =F : 8:: >4 9F 0, @CF: ?3F0 74 9>F : IF?3CF 4>71Q =F =492F508 4, =F0<@408 0978, y be satisf0/F DF?: 4F: @>0F 49F F, 92CF IF/4 4 790IĖ: F=0/ 4E2409Ft =F: =029EL, 92@ 2CF 0, @CF74F 9CF : 1023F., /08 4F, 702 =0F 1B 34 3F?@/ 09?F =CF 97F0<@4ed to F7f0A09IF Ė: F=0/ 4E2409Ft =F&ISIF : A0-98 097F =F 4?: =DF 0, @CF?3CF @7@0F 9/F 447E 74 9>F IĖ: =730-9F 8 0-4, F0 74 9F IF?3CF @7@0F 9/F 447E 74 9>F -0<@408 0978, y be fulf70/IB 43F: @>0F9, = BE9F: ; ; CF =F: @F , 9, /, IF Ė: F=0/ 4E2409Ft =EL 40, 7@CF 0, @CF?30EL 40, 7@CF., /08 4F, 702 =D8, DF CF satisf0/F DF9, = BE =94 3CF: @>0IĖ: F=0/ 4E2409Ft =F , ?308, 74>F 0, @CF?3CF ° 0/@ 740F# Q > 9492F 9/F 9, 7D4, 7I =. 0>0F., /08 4F, 702 =D8, y be fulf70/ B 43F. 49. Cf: @>0IĖ: F=0/ 4E2409Ft =Ė, 7@, 7F =F 3D4, 7f. 49. Cf 0, @CF?3CF ! 3D4, 7F 9/EL 40f. 49. 0F., /08 4F, 702 =D8, y be satisf0/F DF: @>0B 43F 777E. 49. Cf: 97097

University of Minnesota:Ė: F=0/ 4E2409Ft =F&ISIF : A0-98 097F =F 4?: =DF -0, @CF?3CF 4?: =4, 7I 0>; 0 740F0<@408 0978, y be fulf70/IB 43F: @>0F 9, = BE9F: ; ; Q

University of Mississippi:Ė: F=0/ 4E2409Ft =F&ISIF : A0-98 097F =F 4?: =DF -0, @CF 9F 8 0-4, 9E2 A0-98 097F =F34?: =DF@ACD49: 7F0<@40/If : B0A06 >?@/09?F=0F9 : @, 2ed to fulf7F?3CF 4?: =DF0<@408 097B 43F FB: H08 0>0F (0>0-9F 447E 74 9F@ACD

University of Missouri:Ė: F=0/ 4E2409Ft =F&ISIF : A0-98 097F =F 4?: =DF 0, @CF 0A09F3: @23F?30F?, 7CF If 4>: @4B, >F F : 9>4@74 9F0<@408 097E?@/09?78, DF fulf774F DF, 6492F F: @>CF9H 4>: @4B4?: =DF =F&ISIF34?: =DF: @>0F: A0-92F F 9, = BE 3= 9: 7 24, 7F 0-4 /I

University of Montana:Ė: F=0/ 4E2409Ft =F: =029EL, 92@ 2CF 0, @CF?@/09?F , =C2409F F 3: 4CF 0B 009F?@/D92F F7 92@ 2CF =F, 6492F F5D8 - : 71FSD?08 >F . 7>IĖ: F=0/ 4E2409Ft =F , ?308, 74>F 0, @CF: @>0B 43F777E: 702CH 7A078, ?3F: 97097E@ 3F 70 : 9708 ; ; = =DF , ?308, 74>F 9F9? = /@ 74 9F? F 8, ?308, 74, 74 Q >F 9/F304F8 ; , . 7F 9E: . 4D518, y fulf7F?3CF , ?308, 74, 7L 40, . DF0<@408 097

University of Nevada-Las Vegas: $\text{E}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409Ft} \text{F}_i: =\text{029EL}, 92@ \text{2CF } 0, @\text{CF}$
 $\text{>?@/09?} \text{B}, \text{ACF F } 3: \text{4CF } \text{0B009F?@/D92F } \text{9CHD} \text{F} \text{IF Ft} =\text{029F792@ } \text{2CF } \text{F}$
 $\text{>?@/D92F Ft} =\text{029F } @\text{7@} \text{C}$

University of New Hampshire: $\text{E}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409Ft} \text{F}_i: =\text{029EL}, 92@ \text{2CF } 0, @\text{CF}$
 $: \text{97F } \text{9CHD} \text{F} \text{F?3CF}: \text{702CF0A074F} \text{E} \text{O} \text{<@40/Fl} \text{F} \text{E?@/09?} \text{I}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409F}$
 $\text{1} \text{F}\ddot{\text{Z}}, \text{?@}, \text{F} \text{F} \text{3D4}, \text{7S. } \text{49. CF } 0, @\text{CF} \text{@ } \text{3F}: @\text{=O} \text{F} \text{>6S?O>O/} \text{E} \text{@} \text{F} \text{9/F}$
 $\acute{\text{o}} \text{A} \text{O} \text{D} \text{9C}\ddot{\text{Z}} \text{O} \text{>F} \text{F} \text{7. CF? } \text{EL} \text{Aq} \text{18}, \text{DE}, \text{?41DF3CF } \text{4 } \text{7 } \text{24}, \text{7S. } \text{49. CF} \text{3D4}, \text{F}$
 $\text{S. } \text{49. CF} \text{F} \text{O} \text{39. } \text{7 } \text{2DF} \text{O} \text{<@408 } \text{09?} \text{I}$

University of New Mexico: $\text{E}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409Ft} \text{F} : \text{8}; : \text{>A } \text{9F } 0, @\text{CF?@/09?} \text{F}$
 $\text{8}, \text{DF} \text{O} \text{>F} \text{@} \text{F} \text{F?3CF} \text{&} \text{940} \text{>} \text{41F} \text{F} \text{>} \text{492F} \text{O} \text{<@} \text{4ement and fu} \text{F?3CF} \text{F} \text{>} \text{492F } \text{9/F}$
 $\text{S}; \text{Q } \text{692F}: \text{F} \text{O} \text{<@408 } \text{09?} \text{B} \text{43F} \text{F}: @\text{=CF} \text{9F} \text{@ } \text{71F}; \text{Q } \text{692F}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409Ft} \text{F}$
 $\text{.}: =\text{029EL}, 92@ \text{2CF } 0, @\text{CF} \text{970} \text{>} \text{8 } \text{O}' \text{4?CF} \text{0A} \text{749: } \text{F} \text{O} \text{<@40/}$

State University of New York-Bu alo: $\text{E}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409Ft} \text{F}_i: =\text{029EL}, 92@ \text{2CF}$
 $\text{- } 0, @\text{CF } \text{97F} \text{=o } \text{F} \text{49. DF?} \text{= } @\text{23F?3CF} \text{O}: \text{9/} \text{E} \text{O} \text{8 } \text{O} \text{>} \text{O} \text{F} \text{4F} \text{O} \text{<@40/}$
 $\text{I}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409F}$
 $\text{1} \text{F} \text{&} \text{SIF} : \text{A} \text{O} \text{98 } \text{09?} \text{F} \text{F} \text{4?} \text{F} \text{D} \text{O}, @\text{CF?3CF } \text{8 } \text{O} \text{4}, \text{9F } \text{7@}, \text{748 } \text{F} \text{O} \text{<@408 } \text{09?}$
 $\text{8}, \text{y be satis} \text{O/F } \text{D9}, \text{= } \text{B} \text{F} \text{5} \text{6} \text{>} \text{6} \text{I}\ddot{\text{Z}} \text{5F} \text{O}' \text{4E2409Ft} \text{F} \text{H} \text{) } \text{&} \text{7308 } \text{574} \text{F} \text{O}, \text{@} \text{CF?3CF} \text{6 } \text{5} \text{@ } \text{C}$

State University of New York(S)-15(on)15(yBr)15oo $\text{E}\ddot{\text{Z}}: \text{F}:$
 $\text{- } 0, @\text{CF?3CF} \text{970}; \text{= } \text{O} \text{92A} \text{Q} \text{D} \text{I} \text{>} \text{O} \text{DF?3CF} \text{V} \text{8}, \text{944} \text{F} \text{O} \text{<@408 } \text{09?}$
 $\text{, F740}, \text{?} \text{CF } \text{O} \text{A} \text{* } \text{CF}: @\text{=I} \text{I}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409Ft} \text{F} \text{A} \text{q} \text{= } \text{029EL}, 92@ \text{2CF}$
 $\text{!}: \text{E} \text{O} \text{8 } \text{O} \text{>} \text{O} \text{>} \text{F} \text{F} \text{Ft} =\text{029F792@ } \text{2CF} \text{F} \text{O} \text{<@40/}$
 $\text{I}\ddot{\text{Z}}: \text{F}=\text{O}'\text{4E2409F}$
 $\text{~}: \text{A} \text{O} \text{98 } \text{09?} \text{F} \text{F} \text{4?} \text{F} \text{D} \text{O}, @\text{CF?3CF } \text{8 } \text{O} \text{4}, \text{9F } \text{4?} \text{F} \text{D} \text{F} \text{~ } \text{O}$

417304F 0=1 =8, 9. CFDF30-CE08 4, =>F4F0>, 741. ?. =DZ: F=O/ 4E2409F: =F
 l , 7308, 74>F 0, @CF3CF: =8, 7S?@/ 4F0<@408 0978, y be fulF70/IB43F
 .: @>OF 9F57A1F792@474>F 9/IB @4F30 =DZ: F=O/ 4E2409F: =Z, 7@, F =F
 ! 3D4, 7S. 409. CF 0, @CF3CF, 7@, 7S. 409. 0F0<@408 0978, y be satisF0/F DF
 .: @>OFDF 973=: ; 7 2DE20 2=: ; 30E792@474>F 9/F >D 3: 7 2D

University of Notre Dame:Z: F=O/ 4E2409F: =L 40, 7@CF 0, @CF@ 3F: @>OF
 , >F 4= 74 9F 9/F/0974DF 9/F#Q =009742EL, -: =18, DE, 741DF30EL 40, 7@CF
 =0<@408 097E: F=O/ 4E2409F: =R&ISIF : A0-98 097E =F 4? =DF 0, @CF F =, /F
 .: @>CFDF 8 0-4, 9E2 A0-98 097E =B4? =DF19: 7E0<@40/F? E, 741DF30E 4? =DF
 =0<@408 097E

Oberlin College:Z: F=O/ 4E2409F: =F : 8; ; >4 9F 0, @CF3CF(=492H
 /=
 /=

, >E% ; 4 >PDE , ?308, ?4 >Ft =F?3CE L 4 O, F =>?p8, y satisfy theF=>F, =F F
?3CF @ 9?4, ?4CF# Q > 942F/4?4 @?4 9FO<@408 O9?F FCE0 : 9/F, =F IF?3CF
=O<@408 O9?8, y be fullF70/IB 43F: @=>0PDE =B 4, ?5@?4CF 9/F7D2@4?4 >EŽ: F
. =/ 4E2409Ft =EŽ, ?@, F =F 3D4, ?S. 49. CF 0, @CF@ 3F: @=>0F >F 0904 >G
L, BCF 9/FS: . 4 ? : 7DF 9/Id @8, 9FS00@ 7Dp8, D, ?4ID?3CEŽ, ?@, ?S. 49. OF
=O<@408 O9?

University of South Dakota: EŽ: F =/ 4E2409Ft =F: =029E, 92@ 2CF 0, @CF: F
8: =CF?3, 9F 90DQ =F IF F =029F7 92@ 2CF4FO<@40/I

Stanford University: EŽ: F =/ 4E2409Ft =F: =029E, 92@ 2CF 0, @CF 97F 9CF
DQ =F ??3CF: 702CF0A074FO<@40/IEŽ: F =/ 4E2409Ft =F&SIF : A0-98 O9F =F
1 4? =DF 0, @CF?3CF 8 O4, 9F @7@0FO<@408 O9?8, y be fullF70/IB 43F9, = BF
.: @=>0F@ 3F >F 44 9>F IF?3CF. } w?F 9/Ff1 4S: n ?@F FCEŽ CB# O9, 4>, 9. CF IF
, F , B, 4 9F @4, ?% / 44 9Ip8?, 9t =F/ OF FO=F?@/ O9?F 9F; ?4 9, ?2-Q ?
- : : 6F @4 @?8 F, 70/FS?@ ?@O/EL 4 O, F /@, ?4 9I

Swarthmore College: EŽ: F =/ 4E2409Ft =F : 8 : : >4 9F 0, @CF?3CF =4D2F
.: @=>0F 9/FO8 4, =>F =CF? ; 4F: @=>0FDE F, 92CF IF/4-9F O=/ 4E2409Ft
- .) 0 P À ð Ð / - à 0 , (• 0, 0 Àà& & 5 *) À • / , , , 0 Àà&%eP Ð ð Ð !

Swarthmore College:

Swarthmore College:

Swarthmore College: 5 5 ð q½ • À P

Swarthmore College:

- 0, @CF B4CF, 92CF IF: @>0CF 109F9, = BF9F:.; 0FB, DF, ?4DF3CF 4? =DF
, 9/F @7@CF IF3CF&940/IS?, 70FQ<@408 097EŽ: F=0/4E2409F=IF, ?308, ?4>F
- 0, @CF?@/09?>B, DF, 6CF 7E: 49. CF 7>0>F= F3CF, ?308, ?4>F 9/EŽ, ?@, F
S. 49. 0E, 7Q2 =DF

- 4 7 2DF 9/IS @4IŽ: F=O/4E2409FI =FI , ?308, ?4>F 0, @CF@ 3E: @>OF
, >F#Q > 9FDF : 8 8 @4, ?4 9p8, DE, ?4IDF3CF @ 9?4, ?4CF#Q > 942F F
=O<@408 09?IB 34CF: @>OFDF >? 9: 8 DF : ?, 9DF 9/IE : 7 2D8, y ful F7F3CF
" @ 9?4, ?4CF#Q > 942F F<@408 09?F

University of Wyoming:Ž: F=O/4E2409FI =F: =029EL, 92@ 2CF 0, @CF?@/DF
; , >F?300708 09?, =DF0A07449: F<@40/I

Yale University:Ž: F=O/4E2409FI =F : 8; : >44 9F 0, @CF?3CF =422F
>647F<@408 09?8, y be satisFO/F DE A0Ex|vF: @>OF; , 9942Fy|F/4IO-09F
/Q, =?8 09?IŽ: F=O/4E2409FI =FI , ?308, ?4>F 0, @CF?3CF @ 9?4, ?4CF
#Q > 942F<@408 09?8, y be fullF70/IB 43E: @>OFDF : 9: 8 4>09A4: 98 09?, F
>@/4>G 9/F 3D4, F: 49. CIŽ: F=O/4E2409FI =Ž, ?@, F =FI 3D4, F8. 49. CF
- 0, @CF@ 3E: @>OF >F 308 4?DFDF : ; @7=Ž: A07F 9/F6SQ = 3FI =F
" C=, ?0=0?4 7L 4Q18, DE, ?4IDF3CF8. 49. CF<@408 09?F FCF 40 ?0/IS?@/4F
444 ?4CF 9E; ?4 9, F = 2= 8 E; 09F 9DF? E070 ?0/E?@/09?@D: ? - 7E IO=>E 9F
4?02=, ?0/E?@/DE I2-Q F : : 6F 9/F4Q >

END NOTES

1. L: 4# : 8, 9: 6L40;. DE IF : 702CF = /@ 70F>F 9F 0 700F Washington Post | F 0 08 - 0Fyww| 6B??, JZBBBIB, >342? 9; : >A : 8 ZB; HD9Z: 9?09Z =H 74 7Zyww| ZxyZy{ Z #yww| xyy{ vvw-wxI3?8 7D@ " #I
2. d : >F : @2F 0 ; 7F 970-92F?3C&JSIF : =6t = 6L. . 6F =44, 76647F >09H 74 7t =S@. 0>GF, =90>34 Ft =Fyx^F 09?@-DS647?6yZ. ? - 0Fyww| 6B??, JZ BBBIyx>? 09?@-D647A: =2Z0/00; 3; 0; 74 9' . : 8 \. : 9?09L ? >6' A0BL 4''y| vL /? 8 4'' } {I
3. /970: : 7024 70S?@ / 4F9>74@CF 8 0-4, 9F 44EL40;. DE = 2; 8 6Z @F, / 92F 1 0-4, 20F 8 0-4, 9F, 4FF , >4F%0>F 9F04H 4? =DF 9/F9>74@4 9>6F970: : 7H 7024 70S?@ / 4F9>74@06B??, JZBBBI, 8 0-4, 9. 44 70;. DE =Zyww| Z@8 8, =D>@8 H 8, =I3?8 7E 8 0-4, 9F : @. 4F IF@>70F 9/F 78 94E Losing America's Memory: Historical Illiteracy in the 21st Century | yww|
4. 6Z, 74 9, F 9/: B8 097E =F3CF =?F 99: @. 0 6Z 0BF#Q / 42IS?@ / D6Z, 74 9, F ~ 9/: B8 097E =F3CF =?6K, 6Z: A08 - 0Fyww-6B??, JZBBBI9Q I2 A90B>90B>w-Z % #Z #I3?8 7
5. f@/DHF 9/0>: 900/0E Undergraduate Bulletin 2008-09: University of Nebraska – Lincoln | SL 4. : 9E IF CF IF @ 7A, 74 9>EL F 3 : ? 2; ; 30E yww| 6K } 6Z, , 6F w| 6B??, JZ BBBI@970 / @707 @ 7@ / 0-2; /Z: B97, / >Z@2- w6w I; / IF6 : @>CF9t =8, 74 9F \$@40F 090; F /@, 74 9F# 0<@408 09?>6R&940>41F IF7A: 4F 7R=>, 9, H 3, 8 H ; , 496B??, JZ: @>0-47A: 410 / @Z 4Z090 / Z & I 13?8 7064 / ''yx}, 66&940>41F : 6Z 0BF , 8; >340R&9/0-2; /@ 7CF , ? 7 26R&940>41F 6Z 0BF , 8; >3406B??, JZ

10. 6CR:940>4DE IF#3: /CF>79/FywwCHvF , ? 7 26CR:940>4DE IF#3: /CF>79/G
3??, JZBBBI@4I'@Z, ? 7 2Z, ? 7 238 7@2= /@ 70 = 2<@438 7

11. Are ey Really Ready to Work? Employers' Perspectives on the Basic Knowledge and
plied Skills of New Entrants to the 21st Century U.S. Workforce 6EF : 910-09. CF : , =/G
' : = : = 7CF : 40FI =H : =602F, 8 40CF FCF, =90>34 FI =Fyx*F 09?@-186474G 9/F
FOIS: . 40DE FI @8, 9#0: @= CH , 9, 208 09Fywy TExH, I

12. /- 4GE{I

13. ~ @Q @F IL, -: =5? 74?4>GZ @8 -CH IFi ->EL, -: =FI , =60F C 0-40. 0F 9/F , =9H
42F = B73IF#0@7FI= 8 FIZ, ?4 9, 7L: 924@/ 4, 7S@-ADIZ CB>#070 >0FR:940/F
S?, 70F Q, =8 09F IL, -: =Gy-H@0FywwGE3??, JZBBBI- 712 AZCB-I-070 >097: D
38I

14. 6CF : =CF @=4@78 GF : 78 - 4F : 702CF : 78 - 4R:940>4DF9F3CF 4DE IZ CBF
*: =6E3??, JZBBBI: 702CI: 78 - 4I0'@Z: =CI

15. 6CF : =CF @=4@78 GF : 78 - 4F : 702CF : 78 - 4R:940>4DF9F3CF 4DE IZ CBF
*: =6E3??, JZBBBI: 702CI: 78 - 4I0'@Z: =06CF : 8 8 : 9F : =0FR:940>4DE IF
' 34, 2 E3??, >IZ: 702Q / 8 4>4 9-I@ 34, 2 IO'@Z., /08 4-Z: 8 8 : 9: =CI-38 7

16. ~ C 7@ 42F , >>. 3@0?>F9>24@CF IF/0 39: 7 2DE 9/F , 7L =94F9>24@CF IF/0 3H
9: 7 2DE= 8 F30Z, ?4 9, 7R:940>40EL 4:F 9/F D DF0 DE= 8 F3IF
' 3 0 =IZ ?9 : &7 U 72

20.

\$8 43F : 7020G, G}

&940>4DF 1F: @?3F , = 7D, Gk-Gy€

&940>4DF 1F: @?3F , G ? , Gk-Gy, G w

\$?, 91 =/R:940>4DFzGkGy| G w

\$B, =?38: =CF : 7020G, G} G w

ACKNOWLEDGMENTS

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